Subject Index
Volume 71

AA. *See* Arachidonic acid
Abruptio placentae, total homocysteine and, 962
Absorption
  bioavailability of carotenes and vitamin E in fat, 1187
  aluminum, 944
  calcium, 1166
  β-carotene, 1545
  nonheme-iron, 937
Accelerator mass spectrometry, aluminum absorption in humans, 944
α_1-Acid glycoprotein, relation of serum retinol to, 1582
Acid-base balance, influence on bone mass and bone metabolism, 142
Activity-related energy expenditure, in premenarcheal girls, 829
Acute myocardial infarction, vitamin C and, 1181
Acute phase response, myocardial infarction, 1181
ADHD. *See* Attention-deficit hyperactivity disorder
Adhesion molecules, fatty acids and, 213S
Adipose tissue
  high-fat diet, 438
  insulin resistance and, 885
  uptake of individual fatty acids, 1470
Adolescence, overweight and, 693
Adolescent girls, in developing countries, 1353S
Adult-onset diabetes mellitus, adipose tissue distribution and, 885
Adults
  changes in body weight, 1421
  concentrations of lutein and zeaxanthin and macular pigment density, 1555
  total parenteral nutrition and, 560
Adverse effects, polyunsaturated fatty acids, 197S
Aerobic capacity, weight loss and, 1138
Aerobic fitness, energy expenditure and, 500
Affective disorders, dietary supplements and, 1669S
African American, cardiovascular disease and type 2 diabetes, 725
African American women
  energy expenditure and aerobic fitness, 500
  weight loss and, 1138
Age, vitamin A and, 507
Aging, 1577
  antioxidants and, 1194
  cognitive function and, 614S
  micronutrients and natural killer cell immune function, 590
  vitamin E and cardiovascular diseases and immune status, 1665S
  weight loss and, 637S, 650S
ALA. *See* α-Linolenic acid
Alanine, elevated gluconeogenesis and, 583
Alanine metabolism, weight loss and, 583
Albumin
  effect of amino acid supplementation on, 765
  relation of serum retinol to, 1582
Alcohol
  glycated hemoglobin and, 1115
  in pregnancy, fatty acids in umbilical cord serum and, 300S
  iron absorption, 1147
  zinc and, 1334S
Algorithm, iron absorption, 1147
Aluminum, absorption in humans, 944
Alzheimer disease
  B vitamins and, 614S
  dietary supplements and, 1669S
  oxidative stress and, 621S
  protective factors and, 643S
  serum folate and, 993
  vitamin E and, 630S
  weight loss in, 637S, 650S
Alzheimer's Disease Cooperative Study, vitamin E and, 630S
Amino acid
  losses, during hemodialysis, 765
  requirement, indicator amino acid oxidation and, 757
  supplementation, effect on nondiabetic patients, 765
Amnionitis, zinc and, 109
β-Amyloid,
  oxidative stress and Alzheimer disease, 621S, 630S
Amyloid precursor protein, zinc status and, 781
Anabolic steroids, in COPD and CHF, 1033
Analysis of covariance, 472
Anemia
  endemic goiter and millet, 59
  in Mexican preschoolers, 1485
  pregnancy and, 1280S
  zinc and iron supplementation, 956
Animal models, essential fatty acid requirements, 238S
Animal studies, essential fatty acid requirements, 238S
Animal tissue content, nonheme iron and, 937
Annexin V, apoptosis and, 81
Anorexia nervosa, basal metabolic rate in, 1495
Anthropometry
  in Mexican preschoolers, 1485
  nutrition transition in South Korea, 44
α_1-Antichymotrypsin, relation of serum retinol to, 1582
Antigen presentation, n−3 fatty acids and, 357S
Antioxidant status, in COPD and CHF, 1033

Antioxidants
Alzheimer disease and, 621S
basal cell carcinoma and, 135
black and green tea, 1103
cardiovascular disease and, 1691S
cardiovascular diseases and immune status, 1665S
(+)-catechin in red wine, 103
Crohn disease and, 807
effect on viral disease, 1676S
functional foods, 1680S
in lymphocytes, 1194
inflammatory responses and, 458
low plasma cholesterol with cancer mortality, 569
pomegranate juice consumption and, 1062
smoking and, 774
tea polyphenols and, 1698S
Apgar score, zinc and, 109
Apo E genotype, hip fracture and, 1201
Apolipoprotein A-I
effects of energy intake, 1439
soy isoflavones and, 1462
Apolipoprotein B
fish oil and, 28
gene polymorphisms, 713
soy isoflavones and, 1462
soy protein and, 1077
Apolipoprotein B-48, GIP and hepatic lipase and, 13
Apolipoproteins
psyllium and, 472
soy protein and, 1077
Apoptosis
endothelial cells, 81
T lymphocyte and, 1720S
Apoptotic cell death, protection against, 81
Arabinoxylan, postprandial glucose response and, 1123
Arachidonic acid
ADHD and, 327S
in primate infants, 268S
atopic dermatitis and, 367S
human cheek cells and, 21
in pregnancy, 1262S
infant requirements, 238S
metabolism of, 361S
pregnancy outcome and, 285S
preterm infants and, 275S
requirements of preterm infants, 245S
restriction during gestation in rats, 312S
Arrythmia, polyunsaturated fatty acids and, 208S
Ascorbic acid
acute myocardial infarction and, 1181
glutathione and, 1194
iron absorption, 94, 1147
nonheme-iron and, 937
smoking and, 530
Asthma
immunologic effects of yogurt and, 861
polyunsaturated fatty acids and, 393S
Atherogenesis
fatty acids and, 213S
fish oil and, 228S
Atherosclerosis
n−3 fatty acids and, 171S
obesity and, 443
pomegranate juice consumption and, 1062
zinc supplementation and, 81
Atherosclerotic apolipoprotein E–deficient mice, pomegranate juice consumption and, 1062
Atopic dermatitis, essential fatty acids and, 367S
Attention, study of primate infants, 268S
Attention-deficit hyperactivity disorder, 327S
Australia, black and green tea and lipoprotein oxidation, 1103
Austria, resting energy expenditure in short-term starvation, 1511
Average-for-gestational-age infants, preterm formula and, 816
AY 9944, 1270S

B vitamins, cognitive function and, 614S
Bacteria, dairy products and, 674
Bangladesh
postpartum maternal vitamin A supplementation, 799
zinc supplementation and pregnancy outcome in, 114
Basal cell carcinoma, in men, 135
Basal metabolic rate
in anorexia nervosa, 1495
nutritional supplementation and, 1129
Prader-Willi syndrome and, 752
Basal metabolism, pregnancy and, 1218S
Beef tallow, absorption of β-carotene, 1170
Behavioral disorders, n−3 fatty acids and, 171S
Behavioral risk factors, pregnancy weight gain, 1364S
Benin, protein-energy malnutrition and, 978
BeWo cells, 315S
Bifidobacteria
functional foods? 1682S
immunologic effects of yogurt and, 861
Bile acids, dairy products and, 674
Biliary lipids, in colectomized patients, 1095
Bioavailability, 1029 (Editorial)
iron from fortified infant cereal, 1597
β-carotene, 1170
aluminum, 944
calcium, 1166
calcium, 931
carotenes and vitamin E in fat, 1187
iron, 1147
nonheme-iron, 937
plasma phenolic acid and, 67
Biochemical composition, of nonheme iron, 937
Biochemistry, severe linear growth retardation, 550
Biomarkers
functional foods, 1654S
T lymphocyte and, 1720S
Birth weight
folic acid and, 1295S
iron deficiency and, 1280S
maternal hemoglobin and, 1285S
pregnancy weight gain and, 1233S
pregnancy weight gain, 1364S
zinc and, 109
Black tea, lipoprotein oxidation and, 1103
Blacks
body composition, 1392
cardiovascular disease and type 2 diabetes, 725
Blood glucose
arabinoxylan fiber and, 1123
energy restriction and, 901
safety considerations, 197S

Blood insulin, arabinoxylan fiber and, 1123
Blood ionized calcium, 560
Blood lipids
  ethnicity in cardiovascular disease and type 2 diabetes, 725
  soy protein and, 1077
Blood pressure, gestational hypertension, 1371S
BM 15766, 1270S
Body composition
  Alzheimer disease and, 650S
  basal metabolic rate and, 1495
  cystic fibrosis and, 36
  effects of the endotoxin bacterial lipopolysaccharide in rats, 835
  in blacks and whites, 1392
  in premenarcheal girls, 829
  in premenopausal women, 500
  in prepubertal girls, 893
  nutritional supplementation and, 1129
  Prader-Willi syndrome and, 752
  preterm infants and, 816
  racial distinctions, 1387 (Editorial)
  regional fat distribution and, 885
  weight loss and, 1138
Body fat, 1392
  in premenarcheal girls, 829
  preterm infants and, 816
Body mass index, in lean and obese children, 1405
Body weight
  changes in, 1421
  high-fat diets and, 438
Bone age, Prader-Willi syndrome and, 752
Bone biopsy, after total parenteral nutrition, 560
Bone density, in blacks and whites, 1392
Bone markers, bone resorption, 999
Bone mass
  dietary influences and, 142
  total parenteral nutrition and, 560
Bone mineral
  accretion, calcium supplementation and, 544
    density
    in elderly 1201
    tea drinking and, 1003
  maternal calcium metabolism, 1312S
Bone resorption, mineral water and, 999
Bone turnover, dietary influences and, 142
Book Reviews
  Biochemical and Physiological Aspects of Human Nutrition, MH Stipanuk, ed, 1619
  Botanical Medicine: Efficacy, Quality Assurance, and Regulation, D Eskinazi, M Blumenthal, N Farnsworth, CW Riggins, eds, 605
  Complementary Feeding of Young Children in Developing Countries: a Review of Current Scientific Knowledge, K Brown, K Dewey, L Allen, eds, 605
  Evolutionary Aspects of Nutrition and Health: Diet, Exercise, Genetics and Chronic Disease, AP Simopoulos, ed, 854
  Feeding your Child for Lifelong Health, SB Roberts, MB Heyman with L Tracy, ed, 1012
  Mini Nutritional Assessment (MNA): Research and Practice in the Elderly, B Vellas, PJ Garvey, Y Guigoz, eds, 158
  Oral Health: Diet and Other Factors, The Report of the British Nutrition Foundation's Task Force, U Arens, ed, 1619
  The Antioxidant Miracle: Your Complete Plan for Total Health and Healing, L Packer, C Colman, 604
  The Return of ω3 Fatty Acids into the Food Supply I. Land-Based Animal Food Products and Their Health Effects, World Review of Nutrition and Dietetics, Vol 83, AP Simopoulos, ed, 1215
Borage oil, rheumatologic conditions and, 352S
Brain
  B vitamins and, 614S
  dietary supplements and, 1669S
  essential fatty acid requirements, 238S
  fatty acid restriction during gestation in rats and, 312S
Brain development, dietary supplements and, 1669S
Bread, arabinoxylan fiber and, 1123
Breakfast cereal, vitamin B-12 and, 514
Breast cancer, genistein and, 1705S
Breast milk, 120
  fat requirements of preterm infants, 245S
  fatty acid requirements of term infants, 251S
  food chain in Europe, 176S
  growth performance in preterm children and, 822
  lipid nutrition of preterm infants, 275S
  vitamin A, 799
Breast-fed infants
  docosahexaenoic acid supplementation and, 292S
  polyunsaturated fatty acid requirements and, 307S
Breast-feeding
  docosahexaenoic acid supplementation and, 292S
  Indonesian preschool children and, 507
  maternal calcium metabolism, 1312S
  polyunsaturated fatty acid requirements and, 307S
Breast-milk phospholipids, docosahexaenoic acid supplementation and, 292S
Bronchitis, polyunsaturated fatty acids and, 393S
Brush border membranes, 1589
Buccal mucosa, fatty acids and, 21
Byproduct of wheat-flour processing, arabinoxylan fiber, 1123

Cachexia
  Alzheimer disease and, 650S
  lung cancer patients, 583
Cafestol, in unfiltered coffee, 480
Caffeic acid, wine and, 67
Caffeine, in black and green tea, 1103
Calcium
  absorption, in lactose-tolerant adults, 931
  bioavailability in fortified soy milk, 1166
  bone mineral accretion and, 544
  dietary guideline, 661, 658 (Perspectives)
  intake, the Tromsø study, 1530
  iron absorption, 1147
  maternal, 1312S
  mineral water and, 999
  requirement, 1381 (Perspective)
  supplementation
    during pregnancy, 1375S
    gestational hypertension and, 1371S
Caloric intake, chronic diseases and, 1715S
Calorimetry, effects of predisposition to obesity, 893
Cancer
  antioxidants and, 1194
  immunologic effects of yogurt and, 861
  mortality, low plasma cholesterol and, 569
  prevention
    computer-based instruction, 873
    underlying mechanisms, 1710S
    tea polyphenols and, 1698S

Carbohydrates
oxidation, acute fuel selection and, 1516
hypertriacylglycerolemia and, 412
intake of, 1455
metabolism in pregnancy, 1256S
type 2 diabetes, 921
Carcinogenesis, probiotic bacteria and, 405
Cardiac
arrest, polyunsaturated fatty acids and, 208S
arrhythmias, polyunsaturated fatty acids and, 202S
Cardiovascular disease
fish oil and, 228S
for lowering homocysteine concentrations, 1448
lycopene and, 1691S
Cardiovascular disease risk, 401 (Editorial)
energy-restricted diets and plasma lipids, 706
unfiltered coffee and, 480
Caregiver burden, weight loss in Alzheimer disease, 637S
Carotene, in women, 1545
α-Carotene
basal cell carcinoma and, 135
bioavailability of, 1187
colon cancer and, 575
β-Carotene, 1696S (Discussion)
bioavailability of, 1187
carotenoid metabolism and T lymphocyte proliferation, 950
colon cancer and, 575
conversion to vitamin A, 1545
influence on bone mass and bone metabolism, 142
intestinal absorption of, 1170
maternal, 1570
smoking and, 530, 774
vitamin A homeostasis and pregnancy, 537
Carotenoids
β-carotene and, 950
bioavailability of, 1187
cardiovascular disease and, 1691S
colon cancer and, 575
concentrations of lutein and zeaxanthin, 1555
erythema and, 795
Caspase-3, apoptosis and, 81
(+)-Catechin, red wine and, 103
Catecholamines, changes in body weight and, 1421
Caucasian, ethnicity in cardiovascular disease and type 2 diabetes, 725
Causes of death, South Korea and, 44
CD-ROM, virtual seminars, 1403
Cell destabilizing agents, apoptosis and, 81
Cell proliferation, in neonatal piglets, 1603
Central vein catheter, parenterally fed rats, 835
Cereals, childhood type 1 diabetes and, 1525
Cerebrospinal fluid, cholesterol and neurotransmitter metabolites and, 331S
Certification, physician nutrition specialist, 1048
Cheek cells, fatty acids and, 21
Chemiluminescence, 458
CHF. *See* Chronic heart failure
Child survival, vitamin A or β-carotene supplementation and, 1570
Childhood, obesity, 1405
Children
bone mineral accretion in, 544
Crohn disease and, 807
endemic goiter and, 59
essential fatty acids and ADHD and, 327S
ethnicity in cardiovascular disease and type 2 diabetes, 725
goiter and, 88
iron supplementation in, 1485
malarial morbidity in, 1582
overweight and, 693
parental LDL subclass patterns, 1611
Prader-Willi syndrome, 752
protein-energy malnutrition in, 978
type 1 diabetes, 1525
Cholesterol
absorption, soy sterol esters and β-sitostanol ester and, 908
cerebrospinal fluid neurotransmitter metabolites and, 331S
dairy products and, 674
food-frequency questionnaire assessment of, 746
genetic variation in responsiveness to, 713
in embryonic development, 1270S
lowering, stanol ester margarine and, 1095
probiotic bacteria and, 405
psyllium and, 472
safety considerations, 197S
soy isoflavones and, 1462
synthesis and absorption, 1095
synthesis, soy sterol esters and β-sitostanol ester and, 908
Choline, brain function and, 1669S
Chronic bronchitis, skeletal muscle weakness and,733
Chronic dieting syndrome, metabolic assessment, 1413
Chronic heart failure, skeletal muscle dysfunction in, 1033
Chronic obstructive pulmonary disease, 733
skeletal muscle dysfunction in, 1033
Chylomicron remnants, in hypertriacylglycerolemia, 914
Chylomicrons
β-carotene and, 1170
in hypertriacylglycerolemia, 914
uptake of individual fatty acids, 1470
Cigarette smoking, antioxidants and, 774
Clinical trials, vitamin E and Alzheimer disease, 630S
Cobalamin. *See* Vitamin B-12
Coffee, homocysteine and, 403 (Editorial)
Cognition, study of primate infants, 268S
Cognitive decline, B vitamins and, 614S
Cognitive function, B vitamins and, 614S
Cohort study, low plasma cholesterol with cancer mortality, 569
Colectomized patients, cholesterol and, 1095
Colon cancer
carotenoids and, 575
low plasma cholesterol and, 569
Commentary
The revolution in microanalytic chemistry: a macro-opportunity for clinical nutrition, 434
Compartmental modeling, comparison of estimation methods, 523
Computed tomography
alternate muscle mass index, 485
type 2 diabetes mellitus and, 885
Computer-based instruction, cancer nutrition, 873
Congenital malformations, total homocysteine and, 962
Continuing Survey of Food Intakes by Individuals, antioxidant intakes, 774
Continuous infusion, parenterally fed rats, 835
COPD. *See* Chronic obstructive pulmonary disease
Copper, zinc-status and, 781
Cord blood, retinol saturation, 537
Corn oil, plasma lipids and, 701

Coronary artery disease, n−3 fatty acids and, 224S
Coronary atherosclerosis, n−3 fatty acids and, 224S
Coronary heart disease
  fetal nutrition and, 1344S
  fish oil and, 228S
  in US women, 1455
  long-chain n−3 polyunsaturated fatty acids and, 232S
  n−3 fatty acids and, 171S
  tea polyphenols and, 1698S
Corticosterone, effects of the endotoxin bacterial lipopolysaccharide in rats, 835
Cortisol, brain serotonin activity and, 1536
Cost, obesity and pregnancy, 1242S
Côte d'Ivoire, goiter and, 88
Cow milk, calcium in, 1166
Coxsackievirus, oxidative stress and, 1676S
C-peptide, type 2 diabetes mellitus and, 1108
C-reactive protein, relation of serum retinol to, 1582
Creatinine, hemodialysis patients and, 485
Crohn disease
  pediatric lipid profile and, 807
  polyunsaturated fatty acids and, 339S
β-Cryptoxanthin, 575
Culture, pregnancy weight gain, 1364S
Cysteine
  kinetics, methionine and cystine intakes and, 491
  methionine and cystine intakes and, 491
Cystic fibrosis, chlorine, potassium, and water in, 36
Cystine, cysteine kinetics and oxidation, 491
Cytokines
  active food components and, 1720S
  apoptosis of endothelial cells and, 81
  polyunsaturated fatty acids and, 343S
  α-tocopherol and, 458

Dairy products
  cholesterol and, 674
  vitamin B-12 and, 514
Dark adaptation, docosahexaenoic acid and, 323S
Data collection, estimates of recommended daily servings, 1503
De novo lipogenesis, carbohydrates and, 412
Deconvolution analysis, estimation of zinc absorption, 523
7-Dehydrocholesterol, in embryonic development, 1270S
Delta method, 472
Dementia
  Alzheimer disease and, 650S
  B vitamins and, 614S
  in the elderly, 859 (Editorial)
  serum folate and, 993
Demographics, pregnancy weight gain, 1364S
Developing countries
  prenatal nutrition in 1353S
  vitamin A in pregnancy, 1325S
  zinc and iron supplementation in pregnancy, 956
  zinc supplementation and pregnancy outcome in, 114
Development
  essential fatty acids and, 1262S
  vitamin A and, 1325S
Developmental coordination disorder, 323S
DFE. *See* Dietary folate equivalents
DGLA. *See* Dihomo-γ-linolenic acid
DHA. *See* Docosahexaenoic acid
Diabetes
  acute fuel selection and, 1516
  changes in body weight and, 1421
  ethnicity in cardiovascular disease and, 725
Diabetic neuropathy, prevention of, 386S
Diarrhea, probiotic bacteria and, 405
Diastolic blood pressure, calcium intake, 1530
Dicarboxylic acids, protein-energy malnutrition and, 978
Diet
  Alzheimer disease and, 993
  fatty acids and, 21
  genetic variation in responsiveness to, 713
  glycated hemoglobin and, 1115
  heart-healthy, 668 (Editorial)
  hunter-gatherer, 665 (Editorial)
  hypercholesterolemia and, 1077
  hypertriacylglycerolemia and, 412
  in children and adolescents, 693
  iron absorption, 1147
  lung disease and, 393S
  myocardial infarction and, 1181
  plasma homocysteine concentrations and, 480
  primary cardiac arrest and, 208S
  risk of coronary heart disease, 1455
  servings of fruit and vegetables, 1503
  South Korea and, 44
  type 2 diabetes, 921
  very-low-fat, 1611
Diet composition, plasma lipids and, 706
Diet records, food-frequency questionnaire, 746
Dietary assessment
  food-frequency questionnaire, 746
  of healthy postmenopausal women, 739
Dietary bioavailability, iron absorption, 94
Dietary calcium, gestational hypertension and, 1371S
Dietary fat
  bioavailability of carotenes and vitamin E in, 1187
  in men, 135
  men and, 450
  requirements of preterm infants, 245S
Dietary fatty acids, uptake, 1470
Dietary fiber
  postprandial glucose response and, 1123
  treatment of hypercholesterolemia, 1433
  type 2 diabetes, 921
Dietary folate
  equivalents, 1304S
  for lowering homocysteine concentrations, 1448
Dietary macronutrients, hunter-gatherer diets and, 682
Dietary patterns
  in institutionalized elderly people, 987
  ethnicity in cardiovascular disease and type 2 diabetes, 725
Dietary quality, in Mexican preschoolers, 1485
Dietary 24-h recall, of healthy postmenopausal women, 739
Dietary reference intake, for dietary folate, 1304S
Dietary restraint, in female chronic dieters, 1413
Dietary supplementation, 399 (Editorial), 1669S
  FDA and, 1734S
  ascorbate repletion, 530
  legislation, 1674S
Dihomo-γ-linolenic acid
  atopic dermatitis and, 367S
  metabolism of, 361S
  rheumatologic conditions and, 352S

1,25-Dihydroxyvitamin D
  effects of vitamin D status, 1577
  perinatal metabolism of, 1317S
Discussion
  antioxidants, 1680S
  caloric intake chronic and diseases, 1715S
  β-carotene, 1696S
  dietary supplements, 1674S
  functional foods, 1726S, 1739S
  immune system, 1726S
  lycopene, 1696S
  moderated, 1688S, 1716S
  neutraceuticals, 1688S
  nutrition intervention, 1716S
  regulatory activity in Europe, 1739S
  soy and cancer, 1708S
  tea and cancer, 1703S
Disuse, skeletal muscle, 1033
Diterpenes, in unfiltered coffee, 480
Diurnal
  changes, fatty acid concentrations, 1108
  variation, total parenteral nutrition and, 560
Docosahexaenoic acid
  ADHD and, 327S
  cardiovascular disease and, 228S
  dyspraxia and dyslexia and, 323S
  effects on visual function and growth, 120
  food chain in Europe, 176S
  gestational alcohol exposure and, 300S
  human cheek cells and, 21
  human monocyte function and, 357S
  hyperlipidemia and, 1085
  in health and disease, 171S
  in pregnancy, 1262S
  in primate infants, 268S
  in the US food chain, 179S
  infant requirements, 238S
  infant vision and retinal function, 256S
  maternal and infant plasma phospholipids and, 292S
  metabolism of, 361S
  polyunsaturated fatty acids and, 251S
  pregnancy outcome and, 285S
  preterm infants and, 275S
  requirements
    during pregnancy and lactation, 307S
    of preterm infants, 245S
  restriction during gestation in rats, 312S
  rheumatoid arthritis and, 349S
  therapeutic effects of, 376S
  triacylglycerol metabolism and, 232S
Double isotopic tracer ratio, estimation of zinc absorption, 523
Doubly labeled water
  energy metabolism, 893
  food intake in obese men, 130
DRI. *See* Dietary reference intake
Dry skin, n−3 fatty acids and ADHD and, 327S
Dual-energy X-ray absorptiometry, chronic obstructive pulmonary disease and, 733
Dyslexia, docosahexaenoic acid and, 323S
Dyspraxia, docosahexaenoic acid and, 323S
EAR. *See* Estimated average requirement
Eclampsia, dietary calcium and, 1371S
Ecologic data, energy intake trends in the US, 1478
Economic growth, South Korean, 44
Eczema, essential fatty acids and, 367S
Editorials
  Implications of racial distinctions for body composition and its diagnostic assessment, 1387
  Coffee and homocysteine, 403
  Comparing the quality of indicators of nutritional status by receiver operating characteristic analysis or by standardized differences, 672
  Considerations of statistical power in infant studies of visual acuity development and docosahexaenoic acid status, 1
  Dietary supplements and *The American Journal of Clinical Nutrition*, 399
  Ethnic differences in the insulin resistance syndrome, 670
  Genetic recipes for heart-healthy diets, 668
  Genetic underpinnings of LDL size and density: a role for hepatic lipase? 1390
  Hunter-gatherer diets—a different perspective, 665
  Is homocysteine a biomarker for identifying women at risk of complications and adverse pregnancy outcomes? 857
  Microvascular disease and dementia in the elderly: are they related to hyperhomocysteinemia? 859
  Osteoporosis and vitamin K intake, 1031
  The bioavailability bugaboo, 1029
  Viscous fibers, health claims, and strategies to reduce cardiovascular disease risk, 401
  Vitamin C and myocardial infarction: the heart of the matter, 1027
  What foods do people habitually eat? A dilemma for nutrition, an enigma for psychology, 3
EFA. *See* Essential fatty acids
EGCG. *See* (2)-Epigallocatechin-3-gallate
Eggs, iron absorption, 1147
Eicosanoid, polyunsaturated fatty acids and, 343S
Eicosapentaenoic acid
  cardiovascular disease and, 228S
  human monocyte function and, 357S
  hyperlipidemia and, 1085
  in the US food chain, 179S
  inflammatory mediator production and, 343S
  lung disease and, 393S
  metabolism of, 361S
  rheumatoid arthritis and, 349S
  triacylglycerol metabolism and, 232S
Elderly
  cognitive function and B vitamins in, 614S
  glutathione and ascorbate in human lymphocytes, 1194
  hip fracture and vitamin K in, 1201
  institutionalized, 987
  low plasma cholesterol with cancer mortality, 569
  subjects, protein and energy supplementation in, 1129
  microvascular disease and dementia, 859 (Editorial)
  vitamin B-12 and, 514
  vitamin E and Alzheimer disease, 630S
  weight loss and Alzheimer disease and, 650S
  weight loss in, 637S
  women, serum 25-hydroxyvitamin D, 1161
Electroretinogram, infant vision and retinal function, 256S
Emphysema, skeletal muscle weakness and, 733
Endothelial cells, apoptosis and zinc, 81
Endothelium, fatty acids and, 213S

Endotoxin, effects of in rats, 835
End-stage renal disease, nutritional status and, 765
Energy
  adaptation, in human pregnancy, 1226S
  balance, food intake in obese men, 130
  deficit, postprandial lipemia and, 465
  economy, weight loss and, 1138
  expenditure, aerobic fitness and, 500
  expenditure, Alzheimer disease and, 650S
  expenditure, in young men, 901
  expenditure, infrared thermographic calorimetry and, 969
  expenditure, predisposition to obesity and, 893
  expenditure, weight loss and, 1138
  homeostasis, changes in body weight and, 1421
  hunter-gatherer diets and, 682
  intake, childhood type 1 diabetes and, 1525
  intake, circulating leptin concentrations and, 438
  intake, of healthy postmenopausal women, 739
  intake, US trends, 1478
  metabolism, in human pregnancy, 1226S
  metabolism, Prader-Willi syndrome and, 752
  metabolism, predisposition to obesity and, 893
  pregnancy and, 1218S
  requirement, preterm infants, 969
  restriction, plasma lipids and, 706
Energy-adjusted nutrient intakes, influences on bone mass and bone metabolism, 142
Energy-restricted diet
  physiologic adaptations to, 901
  plasma lipids and, 706
Enteral nutrition, 275S
  in neonatal piglets, 1603
Enterococcus
  effects of, 405
  immunologic effects of yogurt and, 861
Enzymatic hydrolysis, human milk oligosaccharides and, 1589
EPA. *See* Eicosapentaenoic acid
EPIC Study. *See* European Prospective Investigation into Cancer and Nutrition Study
Epidemiologic methods, estimates of recommended daily servings, 1503
Epidemiology
  estimates of recommended daily servings, 1503
  in children and adolescents, 693
  postmenopausal Japanese women, 1161
(2)-Epigallocatechin-3-gallate, prevention of cancer and, 1698S
Errata, 157, 1010, 1618
Erythema, carotenoids and vitamin E, 795
Essential fatty acids
  ADHD and, 327S
  atopic dermatitis and, 367S
  deficiency, in primate infants, 268S
  fish oil, 397S
  food chain in Europe, 176S
  in pregnancy, 1262S
  in primate infants, 268S
  infant requirements, 238S
  metabolism of, 361S
  pregnancy outcome and, 285S
  requirements of preterm infants, 245S
  rheumatologic conditions and, 352s
Estimated average requirement, for dietary folate, 1304S
Estrogen, Alzheimer disease and, 643S
Ethanol
  fatty acid composition of umbilical cord serum and, 300S
  wine consumption 103
Ethnicity
  body composition, 1392
  in early risk of cardiovascular disease and type 2 diabetes, 725
Ethnographic Atlas, hunter-gatherer diets and, 682
Europe
  differences in glucose-dependent insulinotrophic polypeptide south and north, 13
  food chain in, 176S
European Prospective Investigation into Cancer and Nutrition Study, 1115
Evening primrose oil
  atopic dermatitis and, 367S
  diabetic neuropathy and, 386S
  rheumatologic conditions and, 352S
Exercise
  intolerance, in COPD and CHF, 1033
  postprandial lipemia and, 465
  weight loss and, 1138
Extracellular superoxide dismutase activity, in postmenopausal women, 781
Extracellular water, cystic fibrosis and, 36
Extremity fat-free mass, chronic obstructive pulmonary disease and, 733
Extrinsically labeled milk, 1166

FAD. *See* Flavin adenine dinucleotide
Family medicine
  patient-physician nutrition interaction, 6
  virtual seminars, 1403
Family physician, patients and, 6
Fat, absorption of β-carotene, 1170
Fat balance, carbohydrate and, 450
Fat ingestion, lipemia and, 465
Fat intake
  hypertriacylglycerolemia and, 412
  in South Korea, 44
Fat mass, in premenopausal women, 500
Fat oxidation, high-fat diet and, 450
Fat patterning, body composition, 1392
Fat-free mass
  basal metabolic rate and, 1495
  in premenarcheal girls, 829
  in premenopausal women, 500
  Prader-Willi syndrome and, 752
Fatty acid requirements
  infant nutrition, 238S
  pregnancy and lactation, 307S
Fatty acid supplements, pregnancy and lactation, 307S
Fatty acid uptake
  adipose tissue and, 1470
  transport across placenta, 315S
Fatty acids
  dairy products and, 674
  diabetic neuropathy and, 386S
  effects of exercise and energy deficit on, 465
  in human infants, 21
  in type 2 diabetes, 1108
  plasma lipids and, 706
FDA. *See* Food and Drug Administration
Fecal ferritin, iron absorption in men, 94

Fecal monitoring, estimation of zinc absorption, 523
Feeding behavior, energy restriction and, 901
Feeding practices, child, 1054
Fermentation, dairy products and, 674
Fermented dairy products, cholesterol and, 674
Ferric pyrophosphate, in fortified infant cereal, 1597
Ferritin, zinc supplementation and, 956
Ferrous bisglycinate, iron absorption from 1563
Ferrous fumarate, in fortified infant cereal, 1597
Ferric trisglycinate, iron absorption from 1563
Fetal development, transport of fatty acids, 315S
Fetal growth
  energy adaptations and, 1226S
  retardation
    maternal nutrition and, 1344S
    zinc and, 109, 1334S
Fetal loss, vitamin A or β-carotene supplementation and, 1570
Fetus
  essential fatty acids in, 1262S
  gestational alcohol exposure and, 300S
Fiber
  hypercholesterolemia, 472
  risk of coronary heart disease, 1455
Fibroblast, LDL binding and, 28
Finland, cholesterol and colectomized patients, 1095
Fish, n−3 fatty acids and, 397S
Fish consumption, serum 25-hydroxyvitamin D, 1161
Fish oil,
  cardiovascular disease and, 228S
  human monocyte function and, 357S
  hyperlipidemia and, 1085
  inflammatory bowel disease and, 339S
  inflammatory mediator production and, 343S
  lipoproteins and, 28
  lung disease and, 393S
  n−3 fatty acids, 397S, 914
  prevention of coronary atherosclerosis and, 224S
  renal disease and, 373S
  rheumatoid arthritis and, 349S
  triacylglycerol metabolism and, 232S
Flavin adenine dinucleotide, protein-energy malnutrition and, 978
Flavin mononucleotide, protein-energy malnutrition and, 978
Flavonoid, (+)-catechin in red wine, 103
Flavonoid, in black and green tea, 1103
Flavonoids
  bone mineral density and, 1003
  pomegranate juice consumption and, 1062
Flaxseed, inflammatory mediator production and, 343S
FMN. *See* Flavin mononucleotide
Folate
  Alzheimer disease and, 993
  cognitive function and, 614S
  diet and basal cell carcinoma, 135
  recommendations, 1308S
  standard for pregnant women, 1304S
  total homocysteine and, 962
Folic acid
  Alzheimer disease and, 993
  brain function and, 1669S
  cognitive function and, 614S
  for lowering homocysteine concentrations, 1448
  neural tube defects and, 1308S
  pregnancy and, 1295S
  recommendations, 1308S
  smoking and, 530
Food and Drug Administration, functional foods, 1734S
Food categories, antioxidant intakes, 774
Food chain
  in Europe, 176S
  in Japan, 189S
Food folates, 1308S
Food groups, ethnicity in cardiovascular disease and type 2 diabetes, 725
Food intake, pregnancy and, 1218S
Food-frequency questionnaire
  estimates of recommended daily servings, 1503
  lack of efficacy of, 746
  of healthy postmenopausal women, 739
Foods, habitually eaten, 3 (Editorial)
Fortification, folate recommendations, 1308S
Fortified breakfast cereals, for lowering homocysteine concentrations, 1448
Framingham Offspring Study, vitamin B-12 and, 514
France
  mineral water and dietary calcium, 999
  nutritional supplementation in the elderly, 1129
  vitamin A homeostasis and pregnancy, 537
Free fatty acids, effects of energy intake, 1439
Free radicals
  Alzheimer disease and, 621S, 630S
  vitamin E and cardiovascular diseases and immune status, 1665S
Free-living subjects, lowering homocysteine concentrations, 1448
Frequent urination, n−3 fatty acids and ADHD and, 327S
Fructose oxidation, acute fuel selection and, 1516
Fruit, influence on bone mass and bone metabolism, 142
Fruit and vegetable intake, ethnicity in cardiovascular disease and type 2 diabetes, 725
Fuel selection, response to high-sucrose and high-starch meals, 1516
Functional foods, 1635S
  conference summary, 1743S
  ecologic perspective, 1728S
  FDA perspective, 1734S
  immune system, 1726S
  the European perspective, 1660S
  the US perspective, 1654S
  vitamin E and the elderly, 1665S

Gambia, bone mineral accretion in children, 544
Game meat, hunter-gatherer diets and, 682
Gastrointestinal adaptation, iron absorption, 94
Gastrointestinal disorders, immunologic effects of yogurt and, 861
Gastrointestinal uptake, of aluminum, 944
Gene expression, T lymphocyte and, 1720S
General practice, patient-physician nutrition interaction, 6
Genetics
  lean and obese children, 1405
  parental LDL-subclass patterns, 1611
Genistein, breast cancer and, 1716S
Genotoxic carcinogen, cancer prevention, 1710S
Gestational age, fatty acids and, 285S
Gestational alcohol exposure, fatty acid composition of umbilical cord serum and, 300S
Gestational diabetes mellitus, carbohydrate and lipid metabolism in, 1256S
Gestational diabetes, obesity and, 1242S
Gestational hypertension, dietary calcium and, 1371S

GLA. *See* γ-Linolenic acid
GLP-2. *See* Glucagon-like peptide 2
Glucagon-like peptide 2, 1603
Gluconeogenesis, in lung cancer patients, 583
Glucose
  changes in body weight and, 1421
  effects of energy intake, 1439
  fatty acid concentrations and, 1108
  starvation and, 1511
Glucose disposal, acute hyperinsulinemia, 443
Glucose metabolism
  n−3 fatty acids and, 1085
  weight loss and, 583
Glucose oxidation, acute fuel selection and, 1516
Glucose tolerance, regional fat distribution and, 885
Glucose-dependent insulinotrophic polypeptide, postprandial lipemia and lipases, 13
Glutathione, vitamin C and, 1194
Glycated hemoglobin, in nondiabetics, 1115
Glycemic index
  energy restriction and, 901
  in US women, 1455
  type 2 diabetes, 921
Glycemic load, in US women, 1455
Goiters
  consumption of pearl millet and, 59
  iodization of table salt and, 75
  iron deficiency anemia and, 88
Grains, type 2 diabetes, 921
Green tea, lipoprotein oxidation and, 1103
Growth
  in preterm children, 822
  ratios of linoleic to α-linolenic acid and, 120
  severe linear growth retardation, 550
  vitamin A and, 507
Growth cones, fatty acid restriction during gestation in rats, 312S

Haptoglobin, relation of serum retinol to, 1582
Hb A_{1C}. *See* Hemoglobin A_{1C}
HDL
  cardiovascular disease and, 228S
  soy isoflavones and, 1462
HDL cholesterol, effects of energy intake, 1439
HDL macrophage, pomegranate juice consumption and, 1062
Health claim, functional foods, 1660S
Healthy adults, carotenoids and vitamin E, 795
Healthy men, calcium and, 1166
Healthy volunteers
  arabinoxylan fiber and, 1123
  starvation and, 1511
Heat loss, in preterm infants, 969
Height, severe linear growth retardation, 550
Height-for-age, severe linear growth retardation, 550
Heme iron, 1147
Heme-iron absorption, gastrointestinal adaptation in men, 94
Hemicellulose, postprandial glucose response and, 1123
Hemodialysis, nutritional status and, 765
Hemodialysis patients, nutritional assessment of, 485
Hemoglobin A_{1C}
  effects of energy intake, 1439
  in nondiabetics, 1115
Hemoglobin, zinc and iron supplementation, 956
Hemoglobin response, in Mexican preschoolers, 1485
Hepatic lipase, glucose-dependent insulinotrophic polypeptide and, 13
5-HIAA. *See* 5-Hydroxyindolacetic acid
High blood pressure, calcium supplementation, 1375S
High-carbohydrate diet, 1611
  plasma lipoproteins and, 1439
High-density-lipoprotein cholesterol, effects of energy intake, 1439
High-fat diet
  body weight, 438
  macronutrient oxidation, 450
Highly unsaturated fatty acids, US food chain, 179S
Hip fracture, and vitamin K, 1201
HLA-DP, n−3 fatty acids and, 357S
HLA-DQ, n−3 fatty acids and, 357S
HLA-DR, n−3 fatty acids and, 357S
13-HODE. *See* 13-Hydroxyoctadecadienoic acid
13-HODE-substituted diacylglycerol, 361S
Holoprosencephaly, cholesterol in embryonic development, 1270S
Homocysteine, 1448
  Alzheimer disease and, 643S
  coffee and, 403 (Editorial)
  cognitive function and, 614S
  pregnancy and, 1295S
  pregnancy outcomes, 857 (Editorial)
  unfiltered coffee and, 480
The Hordaland Homocysteine Study, pregnancy and total homocysteine, 962
Hormone replacement therapy
  effects of energy intake, 1439
  in older women, 1003
Human milk
  fat requirements of preterm infants, 245S
  fatty acid requirements of term infants, 251S
  growth performance in preterm children and, 822
  oligosaccharides in, 1589
Human placenta, transport of fatty acids, 315S
Human-milk phospholipids, docosahexaenoic acid supplementation and, 292S
Humans
  antioxidant intakes and smoking status, 774
  apolipoprotein B gene polymorphisms and serum lipids, 713
  chronic obstructive pulmonary disease and, 733
  energy-restricted diets and plasma lipids, 706
  fatty acids and pregnancy outcome, 285S
  fish oil and, 28
  glucose-dependent insulinotrophic polypeptide, 13
  iron absorption in, 1147
  lung cancer and, 583
  monocyte function, 357S
  oxidative stress and Alzheimer disease, 621S
  unfiltered coffee and, 480
  vitamin A homeostasis and pregnancy, 537
  wine consumption and plasma catechin in, 103
Hunter-gatherers, 682
5-Hydroxyindolacetic acid, 331S
13-Hydroxyoctadecadienoic acid, metabolism of, 361S
25-Hydroxyvitamin D
  effects of Vitamin D status, 1577
  in postmenopausal Japanese women, 1161
  perinatal metabolism of, 1317S
Hypercholesterolemia
  medium-chain triacylglycerol and, 701

psyllium and, 472, 1433
soy protein and, 1077
Hyperhomocysteinemia, cognitive function and, 614S
Hyperinsulinemic clamp, 443
Hyperlipidemia
n−3 fatty acids and, 1085
soy protein and, 1077
Hyperparathyroidism, total parenteral nutrition and, 560
Hypertension
calcium intake, 1530
essential fatty acids in pregnancy, 1262S
fetal nutrition and, 1344S
obesity and pregnancy, 1242S
zinc and, 109
Hypertriacylglycerolemia
carbohydrate-induced, 412
chylomicrons and VLDLs in, 914
Hypertriglyceridemia
α-tocopherol and, 458
carbohydrates and, 412
fish oil and, 28
medium-chain triacylglycerol and, 701
Hyporetinemia, relation of serum retinol to, 1582
Hypoxia, in COPD and CHF, 1033

ICAM-1, n−3 fatty acids and, 357S
Ileostomy, cholesterol absorption and, 908
Immune function, T lymphocyte and, 1720S
Immune system, yogurt and, 861
Immunity, vitamin A and, 1325S
Immunoglobulin A nephropathy, fish oil and, 373S
Immunostimulatory effects, yogurt and, 861
Indicator amino acid oxidation, threonine requirement, 757
Indirect calorimetry, 1511, 1516
energy expenditure and, 969
preterm formula and, 816
Indonesia, preschool children and vitamin A supplementation, 507
Infant behavior, polyunsaturated fatty acid nutrition in primate infants, 268S
Infant cereal, fortified, 1597
Infant development, essential fatty acid requirements, 238S
Infant feeding, growth performance in preterm children and, 822
Infant formula, 120
fat requirements of preterm infants, 245S
polyunsaturated fatty acids and, 251S
Infant growth, in preterm children, 822
Infant mortality, vitamin A or β-carotene supplementation and, 1570
Infant nutrition
diet and growth performance and, 822
docosahexaenoic acid supplementation and, 292S
energy expenditure and, 969
vision and retinal function, polyunsaturated fatty acids, 256S
Infant plasma phospholipids, docosahexaenoic acid supplementation and, 292S
Infant studies
docosahexaenoic acid status, 1 (Editorial)
visual acuity development, 1 (Editorial)
Infants
fatty acids and, 21
iron bioavailability in, 1597
iron deficiency and, 1280S
visual function and growth, 120
zinc and, 109
Infection, immunologic effects of yogurt and, 861
Inflammation
fatty acids and, 213S
n−3 fatty acid supplements and, 349S
polyunsaturated fatty acids and, 343S
Inflammatory bowel disease, polyunsaturated fatty acids and, 339S
Inflammatory conditions, apoptosis and, 81
Inflammatory diseases, n−3 fatty acids and, 171S
Infrared thermographic calorimetry, 969
Institute of Medicine, pregnancy weight gain and, 1233S
Instructional effectiveness, computer-based instruction, 873
Insulin
effects of energy intake, 1439
energy restriction and, 901
ethnicity in cardiovascular disease and type 2 diabetes, 725
high-fat diet and, 450
in female chronic dieters, 1413
postprandial lipemia and, 465
Insulin metabolism, n−3 fatty acids and, 1085
Insulin resistance
ethnic differences, 670 (Editorial)
obesity and, 443
regional fat distribution and, 885
Insulin sensitivity
fatty acid concentrations and, 1108
in gestational diabetes mellitus, 1256S
regional fat distribution and, 885
type 2 diabetes and, 54
Interaction, iodine and iron deficiency anemia, 88
Intersociety Professional Nutrition Education Consortium, 1048
Intestinal absorption, of β-carotene, 1170
Intracellular water, cystic fibrosis and, 36
Intrauterine growth restriction, maternal hemoglobin and, 1285S
Intrinsically labeled milk, 1166
Inulin, functional foods? 1682S
Iodine
endemic goiter and, 59
goitrous children despite supplementation, 88
Iodine deficiency, goiters and, 75
Iodized oil, goiter and, 88
Iodized salt, goiters and, 75
Iowa Women's Health Study, diet and type 2 diabetes, 921
Iron
anemia in Côte d'Ivoire, 88
bioavailability in fortified infant cereal, 1597
bioavailability of, 937
endemic goiter and millet, 59
Iron absorption
prediction of, 1147
regulated by iron status, 1563
Iron amino acid chelates, bioavailability of iron, 1563
Iron bioavailability, in whole maize, 1563
Iron deficiency
birth weight and, 1285S
in Mexican preschoolers, 1485
pregnancy and, 1280S
vitamin A status and, 789
Iron deficiency anemia
goiter and, 88
pregnancy and, 1288S
Iron fortification, 1563
Iron requirements, 1147

in men, 94
Iron status, 1147
pregnancy and, 1288S
regulation by, 1563
Iron supplementation
hemoglobin response to, 1485
pregnancy and, 1288S
Ischemic heart disease
n−3 fatty acids and, 397S
polyunsaturated fatty acids and, 208S
Isoflavones
breast cancer and, 1705S
plasma lipids and, 1462
Isotopic labeling, of calcium, 1166
Italy, anorexia nervosa in, 1495

Japan
food chain, 189S
postmenopausal women, 1161

Kahweol, in unfiltered coffee, 480
Kidney disease, nutritional assessment and, 485

LA. *See* Linoleic acid
α-Lactalbumin, tryptophan and, 1536
Lactation
calcium and bone mineral status, 1312S
carotenoids metabolism and, 950
composition of breast milk lipids, 292S
polyunsaturated fatty acid requirements and, 307S
vitamin A in, 1325S
vitamin A, 799
Lactic acid bacteria, yogurt and, 861
Lactobacilli, functional foods? 1682S
Lactobacillus
effects of, 405
yogurt and, 861
Lactose-tolerant adults, calcium absorption in, 931
Lathosterol, cholesterol absorption and, 908
LCPUFAs. *See* Long-chain polyunsaturated fatty acids
LDL
cardiovascular disease and, 1691S
cardiovascular disease and, 228S
fish oil and, 28
obesity and, 443
particle size in children, 1611
pomegranate juice consumption and, 1062
size and density, 1390 (Editorial)
soy isoflavones and, 1462
LDL cholesterol
psyllium and, 472, 1433
soy protein and, 1077
LDL oxidation, phenols and wine consumption, 67
LDL particle size, n−3 fatty acids and, 1085
LDL peak particle diameter, 1611
Lean tissue, in premenopausal women, 500
Legislation, dietary supplements, 1674S
Leptin
basal metabolic rate and, 1495
body weight, 438
energy restriction and, 901
in female chronic dieters, 1413
Letters to the Editor
Animal protein and ischemic heart disease, 849
Arachidonic acid concentrations in patients with Crohn disease, 1008
Benefits and risks of antiobesity agents, 844
Blockade of pancreatic lipase, 845
Dietary copper and risk of coronary heart disease, 1213
Efficacy of antiobesity therapies, 844
Fish consumption, cancer, and Alzheimer disease, 599
Geriatric cachexia: a role for magnesium deficiency as well as for cytokines? 851
Importance of consistency in reporting of research, 156
Lactose intolerance—a confusing clinical diagnosis, 600
Low energy expenditure as a contributor to infant obesity, 154
Lutein supplementation or green vegetables, 1210
More on the Chinese red-yeast-rice supplement and its cholesterol-lowering effect, 152
Orlistat and weight loss, 846
Programming not *metabolic imprinting*, 602
Protein intake and appendicular skeletal muscle mass in older men, 1209
Protein, fat, and ischemic heart disease, 848
Use of the term vegetarian, 1211
Variability of *k* terms in bioelectrical impedance spectroscopy, 1618
Whole grains and coronary heart disease, 1009
Leucine, protein metabolism in pregnancy, 1249S
Leukocytes, fatty acids and, 213S
Leukotriene B_4, 361S
Life expectancy, of institutionalized elderly people, 987
Limb anomalies, cholesterol in embryonic development, 1270S
Linoleic acid
apoptosis and, 81
atopic dermatitis and, 367S
effects on visual function and growth, 120
food chain in Europe, 176S
in pregnancy, 1262S
lipid nutrition of preterm infants, 275S
α-Linolenic acid
effects on visual function and growth, 120
food chain in Europe, 176S
in the US food chain, 179S
infant requirements, 238S
lipid nutrition of preterm infants, 275S
γ-Linolenic acid
atopic dermatitis and, 367S
diabetic rats and, 386S
metabolism of, 361S
Lipemia, energy deficit and exercise and, 465
Lipid metabolism
effects of exercise and energy deficit on, 465
in pregnancy, 1256S
probiotic bacteria and, 405
Lipid modification, cardiovascular disease and, 228S
Lipid peroxidation, 197S
pomegranate juice consumption and, 1062
Lipids
Crohn disease and, 807
energy-restricted diets and, 706
at requirements of preterm infants, 245S
gestational alcohol exposure and, 300S
n−3 fatty acids and, 1085
Lipopolysaccharide, of the endotoxin bacteria, 835
Lipoprotein
black and green tea and, 1103

changes in, 1439
Crohn disease and, 807
hypertriacylglycerolemia and, 914
psyllium and, 472
very-low-fat diet and, 1611
Lipoprotein lipase, uptake, 1470
Lipoprotein metabolism, medium-chain triacylglycerol and, 701
Lipoprotein response, effects of energy intake, 1439
Lipoprotein(a), soy isoflavones and, 1462
Liver, elevated gluconeogenesis, 583
Long-chain fatty acids, endothelial activation and, 213S
Long-chain polyenes, in pregnancy, 1262S
Long-chain polyunsaturated fatty acids
dyspraxia and dyslexia and, 323S
in primate infants, 268S
infant vision and retinal function, 256S
pregnancy outcome and, 285S
requirements of preterm infants, 245S
requirements of term infants, 251S
transport across placenta, 315S
Longitudinal study, institutionalized elderly people, 987
Low birth weight, zinc supplementation and, 114
Low plasma cholesterol, cancer mortality and, 569
Low-birth-weight infants, nutrient requirements for intestinal growth, 1603
Low-density-lipoprotein cholesterol, soy protein and, 1077
Low-density-lipoprotein subclasses, 1611
Low-fat diet, plasma lipoproteins and, 1439
LTB_4. *See* Leukotriene B_4
Lung cancer
low plasma cholesterol and, 569
weight loss and elevated gluconeogenesis in, 583
Lung disease, polyunsaturated fatty acids and, 393S
Lutein
bioavailability of, 1187
carotenoids metabolism and, 950
colon cancer and, 575
serum and tissue concentrations of, 1555
Lycopene, 1696S, 1716S (Discussions)
cardiovascular disease and, 1691S
colon cancer and, 575
smoking and, 530
Lymphocytes, antioxidants in, 1194

Macronutrient
functional foods, 1660S
intake, assessment of, 746
oxidation, high-fat diet and, 450
Macrosomia, obesity and pregnancy, 1242S
Macular pigment, density of, 1555
Magnesium
influence on bone mass and bone metabolism, 142
type 2 diabetes, 921
Magnetic resonance imaging, 376S
Maize, iron absorption from, 1563
Major histocompatibility complex class II molecules, n−3 fatty acids and, 357S
Malaria, severe linear growth retardation, 550
MALDI-MS. *See* Matrix-assisted laser desorption ionization mass spectrometry
Malnutrition
hemodialysis and, 765
hemodialysis patients and, 485
in developing countries, 1353S
riboflavin and organic acids and, 978
Mandatory iodization, goiters and, 75
Marine oil, fat requirements of preterm infants, 245S
Masculinization deficiency, cholesterol in embryonic development, 1270S
Mass balance, estimation of zinc absorption, 523
Maternal body composition, fetal nutrition and, 1344S
Maternal health, pregnancy weight gain and, 1233S
Maternal hemoglobin, birth weight and, 1285S
Maternal iron supplementation, zinc and, 956
Maternal mortality, pregnancy and, 1280S
Maternal nutrition
adult disease and, 1344S
docosahexaenoic acid supplementation and, 292S
severe linear growth retardation, 550
Maternal plasma phospholipids, docosahexaenoic acid supplementation and, 292S
Maternal supplementation, of vitamin A or β-carotene, 1570
Matrix-assisted laser desorption ionization mass spectrometry, 1589
Meal tolerance test, postprandial glucose response, 1123
Meals, iron absorption, 1147
Mean corpuscular volume, maternal hemoglobin and, 1285S
Meat
childhood type 1 diabetes and, 1525
iron absorption, 94, 1147
Medical educators, virtual seminars, 1403
Medical food, FDA and, 1734S
Medical nutrition education, 1048
Medical school, computer-based instruction, 873
Medication, in COPD and CHF, 1033
Mediterranean diet
glucose-dependent insulinotrophic polypeptide and, 13
of institutionalized elderly people, 987
Medium-chain triacylglycerol, hyperlipidemia and, 701
Men
adaptation to iron bioavailability, 94
colon cancer and, 575
diet and basal cell carcinoma, 135
high-fat diet and, 450
hypercholesterolemic, 1077
hyperlipidemia in, 1085
hypertriacylglycerolemia in, 914
low plasma cholesterol with cancer mortality, 569
myocardial infarction and, 1181
pomegranate juice consumption and, 1062
selective underreporting of fat intake, 130
threonine requirement of, 757
α-tocopherol and, 458
treatment of hypercholesterolemia, 1433
uptake of individual fatty acids, 1470
wine consumption and, 67
women and, hemodialysis and nutritional status, 765
Menstrual cycle, 1462
Meta-analysis
apolipoprotein B gene polymorphisms and serum lipids, 713
cholesterol-lowering effects of psyllium, 472
of calcium supplementation during pregnancy, 1375S
Metabolic bone disease, total parenteral nutrition and, 560
Metabolic effects, of the endotoxin bacteria lipopolysaccharide in rats, 835

Metabolic isotopes, acute fuel selection and, 1516
Metabolic rate, Alzheimer disease and, 650S
Metabolism
  in female chronic dieters, 1413
  in pregnancy, 1256S
  in preterm infants, 969
  of β-carotene, 1545
Metal, free radical production and, 621S
Methionine, cysteine kinetics and oxidation, 491
4-*O*-Methylgallic acid, wine and, 67
Mexico, preschoolers with multiple micronutrient deficiencies 1485
MHC class II molecules. *See* Major histocompatibility complex class II molecules
Mice, oxidative stress and, 1676S
Micronutrient deficiencies
  endemic goiter and, 59
  in Mexican preschoolers, 1485
Micronutrients
  as antioxidants, 1194
  effect on natural killer cell immune function, 590
  functional foods, 1660S
  severe linear growth retardation, 550
Mild cognitive impairment, vitamin E and, 630S
Milk
  childhood type 1 diabetes and, 1525
  growth performance in preterm children and, 822
  intake, calcium and, 1530
Mineral metabolism, vitamin D and, 1317S
Mineral water, dietary calcium and, 999
Minimal enteral feeding, in neonatal piglets, 1603
Modified-relative-dose-response test, vitamin A, 799
Monocytes
  fatty acids and, 213S
  n−3 fatty acids and, 357S
Monomeric silica, aluminum absorption in humans, 944
Monounsaturated fat
  basal cell carcinoma and, 135
  food-frequency questionnaire assessment of, 746
Monounsaturated fatty acids, glucose-dependent insulinotrophic polypeptide and, 13
Mood, serotonin activity and, 1536
Mortality, obesity and pregnancy, 1242S
Mothers, essential fatty acids in, 1262S
Multiple linear regression, malarial morbidity in Papua New Guinea children, 1582
Muscle mass, nutritional assessment and, 485
Muscle metabolism, in COPD and CHF, 1033
Muscle morphology, in COPD and CHF, 1033
Muscle performance, in COPD and CHF, 1033
Myocardial infarction
  n−3 fatty acids and, 224S
  vitamin C and, 1027 (Editorial)
Myocarditis, oxidative stress and, 1676S

n−3 Fatty acids
  inflammatory mediator production and, 343S
  ADHD and, 327S
  cardiac arrhythmias and, 202S
  cardiovascular disease and, 228S
  fish oil, 397S
  hyperlipidemia and, 1085
  hypertriacylglycerolemia and, 914
  in health and disease, 171S
  in the US food chain, 179S
  infant requirements, 238S
  infant vision and retinal function, 256S
  inflammatory bowel disease and, 339S
  lung disease and, 393S
  pregnancy outcome and, 285S
  prevention of coronary atherosclerosis and, 224S
  primary cardiac arrest and, 208S
  restriction during gestation in rats, 312S
  supplements in rheumatoid arthritis, 349S
n−3 LCPUFA. *See* n−3 Long-chain polyunsaturated fatty acid
n−3 Long-chain polyunsaturated fatty acids
  requirements during pregnancy and lactation, 307S
  supplementation, 307S
n−3 Polyunsaturated fatty acids
  human monocyte function and, 357S
  in the Japanese food chain, 189S
  requirements of term infants, 251S
  triacylglycerol metabolism and, 232S
n−3 PUFAs. *See* n−3 polyunsaturated fatty acids
n−6 Fatty acids
  cardiac arrhythmias and, 202S
  in the US food chain, 179S
  infant requirements, 238S
  pregnancy outcome and, 285S
n−6 Polyunsaturated oils
  chronic disease prevention, 1710S
  in the Japanese food chain, 189S
20:4n−6. *See* Arachidonic acid
22:6n−3. *See* Docosahexaenoic acid
Na+-K+-exchanging ATPase, polyunsaturated fatty acids and, 386S
National nutrition survey, polyunsaturated fatty acids in Japan, 189S
National Nutrition Survey, South Korea, 44
Native Canadians, children and adolescents, 693
Natural killer cells, micronutrient status and, 590
Neocortex, serum folate and, 993
Neonatal diet, growth performance in preterm children and, 822
Neonatal nutrition
  energy expenditure and, 969
  for intestinal growth, 1603
Neonate
  essential fatty acids in, 1262S
  gestational alcohol exposure and, 300S
Neonatology
  energy expenditure and, 969
  nutrition, 1603
Neoplasms, in men, 135
Nepal, vitamin A and fetal loss and early infant mortality, 1570
The Nepal Nutrition Intervention Project-Sarlahi Study Group, 1570
Nerve conduction velocity, polyunsaturated fatty acids and, 386S
Netherlands
  bioavailability of carotenes and vitamin E in fat, 1187
  unfiltered coffee and, 480
Neural development, polyunsaturated fatty acids and, 251S
Neural function, study of primate infants, 268S
Neural tube defects
  folate recommendations,1308S
  total homocysteine and, 962
Neurodevelopmental disorders, lipid nutrition of preterm infants and, 275S
Neurologic development
  essential fatty acid requirements, 238S

polyunsaturated fatty acids and, 251S
Newborn, fatty acids and, 285S
NIDDM. *See* Non-insulin-dependent diabetes mellitus and type 2 diabetes
NIH Office of Dietary Supplements, functional foods, 1728S
NIH-AARP Diet and Health Study, estimates of recommended daily servings, 1503
Nitric oxide, type 2 diabetes and, 54
Nitrogen balance, energy restriction and, 901
Nitrogen isotopes, nutritional supplementation and, 1129
Noncholesterol sterols, in colectomized patients, 1095
Non-HDL cholesterol, soy protein and, 1077
Nonheme iron, 937, 1147
Nonheme-iron absorption, gastrointestinal adaptation in men, 94
Non-insulin-dependent diabetes mellitus
adipose tissue distribution and, 885
diet and, 921
obesity and, 443
Nonobese adults, medium-chain triacylglycerol and, 701
Nonsmokers, institutionalized elderly people, 987
Nonsteroidal antiinflammatory drugs, Alzheimer disease and, 643S
Norepinephrine, starvation and , 1511
North America, in children and adolescents, 693
Northern Italy, micronutrients and natural killer cell immune function, 590
Norway
calcium intake and blood pressure, 1530
pregnancy complications and total homocysteine, 962
NTDs. *See* Neural tube defects
5′-Nucleotidase activity, zinc status and, 781
Nun Study, serum folate and Alzheimer disease, 993
Nurses' Health Study, risk of coronary heart disease in US women, 1455
Nutraceuticals, 1688S (Discussion)
functional foods, 1728S
Nutrient interactions, iron and zinc supplementation, 789
Nutrition
Alzheimer disease and, 643S, 993
childhood type 1 diabetes and, 1525
effect on natural killer cell immune function, 590
essential fatty acids and pregnancy, 1262S
estimates of recommended daily servings, 1503
fatty acids and pregnancy outcome, 285S
type 2 diabetes, 921
Nutrition and Medicine curriculum series, 873
Nutrition curriculum, virtual seminars, 1403
Nutrition education
computer-based instruction, 873
virtual seminars, 1403
weight loss in Alzheimer disease, 637S
Nutrition strategies, in developing countries, 1353S
Nutrition transition, South Korean, 44
Nutritional advice, patient-physician, 6
Nutritional assessment, of hemodialysis patients, 485
Nutritional depletion, in COPD and CHF, 1033
Nutritional epidemiology, estimates of recommended daily servings, 1503
Nutritional programs, in developing countries, 1353S
Nutritional status, hemodialysis and, 765
Nutritional support, in COPD and CHF, 1033

Obesity
acute hyperinsulinemia 443
effects of changes in body weight, 1421
energy intake trends in the US, 1478
energy restriction and, 901
high-fat diet and, 450
in children and adolescents, 693
in children, 1405
in premenopausal women, 500
in South Korea, 44
in women, 1138
Prader-Willi syndrome and, 752
predisposition to, 893
pregnancy and, 1242S
selective underreporting of fat intake, 130
type 2 diabetes mellitus and, 885
Obesity predictors, in premenarcheal girls, 829
Obligatory nitrogen losses, 491
Obligatory oxidative losses, 491
Observational study, pregnancy complications and total homocysteine, 962
$1,25(OH)_2D$. *See* 1,25-Dihydroxyvitamin D
25(OH)D. *See* 25-Hydroxyvitamin D
Oldest-old age group, micronutrients and natural killer cell immune function, 590
Oligomeric silica, aluminum absorption in humans, 944
Oligosaccharides, in human milk, 1589
Organic aciduria, in children, 978
Orthosilicic acid, aluminum absorption in humans, 944
Osteocalcin
and vitamin K, 1201
calcium supplementation and, 544
Osteoporosis
and vitamin K, 1201
tea drinking and, 1003
vitamin K intake and, 1031 (Editorial)
Otuska Long-Evans Tokushima Fatty rat, type 2 diabetes and, 54
Ouabain binding, 386S
Overweight
energy intake trends, 1478
in children and adolescents, 693
in women, 1138
Oxidative stress
Alzheimer disease and, 621S, 630S
effect on viral disease, 1676S
in COPD and CHF, 1033
Oxidized LDL, α-tocopherol and, 458
Oxygen therapy, in COPD and CHF, 1033

Pancreatic enzymes, human milk oligosaccharides and, 1589
Papua New Guinea, malarial morbidity in children of, 1582
Paraoxonase, pomegranate juice consumption and, 1062
Parathormone, mineral water and, 999
Parathyroid function, mineral water and, 999
Parathyroid hormone
effects of Vitamin D status, 1577
mineral water and, 999
parenteral nutrition and, 560
postmenopausal Japanese women, 1161
vitamin D and, 1317S
Parental leanness, predisposition to obesity and, 893
Parental obesity, predisposition to obesity and, 893

Parenteral nutrition, 275S
Parents, obesity predictors and, 829
Parkinson disease, dietary supplements and, 1669S
Pearl millet, endemic goiter and, 59
Peptide YY, 1603
Peripheral muscle, in COPD and CHF, 1033
Peroxidation, Crohn disease and, 807
Peroxisomal disorders, docosahexaenoic acid ethyl ester and, 376S
Perspectives
  Calcium requirement is a sliding scale, 1381
  Should there be a dietary guideline for calcium intake? No, 661
  The dietary guideline for sodium: should we shake it up? Yes! 1013
  The dietary guideline for sodium: should we shake it up? No. 1020
  The important role of physical activity in skeletal development: how exercise may counter low calcium intake, 1384
  There should be a dietary guideline for calcium, 658
  Year 2000 dietary guidelines: new thoughts for a new millennium, 657
Peru, zinc and iron supplementation in pregnancy, 956
p-FABP$_{pm}$. *See* Placental membrane fatty acid binding protein
PGE_2. *See* Prostaglandin E_2
Pharmacokinetics, red wine and, 103
Phenolic acids, wine and, 67
Phenylalanine, threonine intake and, 757
Phospholipids, pregnancy outcome and, 285S
Phylloquinone, 1201
Physical activity
  high-fat diet and, 450
  in children and adolescents, 693
  pregnancy and, 1218S
  weight loss and, 1138
Physical activity level, predisposition to obesity and, 893
Physical fitness, high-fat diet and, 450
Physician nutrition specialist, 1048
Physiology, of pregnancy, 1218S
Phytate, 1563
  iron absorption, 1147
  nonheme iron and, 937
Phytic acid
  iron absorption, 94
  nonheme iron and, 937
Phytoestrogen, plasma lipids and, 1462
Phytosterols, cholesterol absorption and, 908
Placenta, retinol saturation of cord blood, 537
Placental abruption
  folic acid and, 1295S
  total homocysteine and, 962
Placental membrane fatty acid binding protein, 315S
Plant sterol ester, cholesterol absorption and, 908
Plant sterols, cholesterol absorption and, 908
Plasma, fatty acids and, 21
Plasma antioxidants, smoking and, 530
Plasma lipids, apolipoprotein B gene polymorphisms and, 713
Plasma volume, birth weight and, 1285S
Plasmalogens, docosahexaenoic acid ethyl ester and, 376S
Plasmodium falciparum, malarial morbidity in Papua New Guinea children, 1582
Platelet, pomegranate juice consumption and, 1062
Polycystic ovary syndrome, fetal nutrition and, 1344S
Polymorphism, 1405
  apolipoprotein B gene, 713
Polymorphonuclear cell, 361S
Polyphenolic compounds, in black and green tea, 1103
Polyphenols, iron absorption, 1147
Polyunsaturated fat
  absorption of β-carotene, 1170
  food-frequency questionnaire assessment of, 746
Polyunsaturated fatty acid
  brain function and, 1669S
  inflammatory mediator production and, 343S
  metabolism of, 361S
  gestational alcohol exposure and, 300S
  in the Japanese food chain, 189S
  inflammatory bowel disease and, 339S
  lung disease and, 393S
  maternal and infant plasma phospholipids and, 292S
  safety considerations, 197S
Polyunsaturated lipids, apoptosis and, 81
Pomegranate juice, consumption, 1062
Poor diet, ascorbate depletion and male smokers, 530
Population study, male smokers, 530
Postmenopausal women
  dietary assessment of, 739
  effects of vitamin D status, 1577
  plasma lipoproteins and, 1439
  zinc status and, 781
Postpartum infection, zinc and, 109
Postpartum weight, pregnancy weight gain and, 1233S
Postprandial effects
  chylomicrons and VLDLs and, 914
  of β-carotene, 1170
Postprandial lipemia
  glucose-dependent insulinotrophic polypeptide and, 13
  long-chain n−3 polyunsaturated fatty acids and, 232S
Postprandial period, uptake of individual fatty acids, 1470
Potassium, influence on bone mass and bone metabolism, 142
Potsdam, lifestyle factors in diabetes, 1115
Prader-Willi syndrome, Energy expenditure in, 752
Preagricultural diets, hunter-gatherer diets, 682
Prebiotic, functional foods? 1682S
Prebiotics, 1674S (Discussion)
Preeclampsia
  calcium supplementation, 1375S
  dietary calcium and, 1371S
  total homocysteine and, 962
Pregnancy
  calcium supplementation, 1375S
  dietary folate and, 1304S
  energy adaptations and, 1226S
  essential fatty acids, 1262S
  folic acid and, 1295S
  homocysteine, 857 (Editorial)
  hypertension and, 1371S
  iron deficiency and, 1280S
  iron supplementation during, 1288S
  long-chain polyunsaturated fatty acids and, 285S
  maternal calcium and bone mineral status, 1312S
  metabolism in, 1256S
  obesity and, 1242S
  polyunsaturated fatty acid requirements and, 307S
  pregnancy weight gain and, 1233S
  protein metabolism in, 1249S
  vitamin A homeostasis and, 537
  vitamin A in, 1325S
  vitamin D and, 1317S
  zinc and, 1334S
  zinc and iron supplementation, 956

zinc supplementation and, 114
Pregnancy complications, total homocysteine and, 962
Pregnancy outcome
zinc and, 109
zinc supplementation and, 114
Pregnancy weight gain, demographics of, 1364S
Pregnancy-induced hypertension, 1371S
folic acid and, 1295S
Premature infants, 275S
diet and growth performance in, 822
energy expenditure in, 969
nutrient requirements for intestinal growth, 1603
Prematurity, zinc supplementation and, 114
Premenarcheal girls, paternal body fat and, 829
Prenatal nutrition, in developing countries, 1353S
Prepubertal children, cystic fibrosis and, 36
Prepubertal girls, predisposition to obesity in, 893
Preschool children
severe linear growth retardation, 550
vitamin A and, 507, 789
Preterm, essential fatty acids and, 1262S
Preterm delivery
folic acid and, 1295S
iron deficiency and, 1280S
pregnancy weight gain and, 1233S
zinc and, 109
Preterm infant formulas
growth performance in preterm children and, 822
lipid nutrition of preterm infants, 275S
with different energy contents, 816
Preterm infants
diet and growth performance in, 822
energy expenditure in, 969
fat requirements of, 245S
nutrient requirements for intestinal growth, 1603
polyunsaturated fatty acid requirements and, 307S
short-term growth in, 816
vitamin D and, 1317S
Preterm labor, maternal hemoglobin and, 1285S
Primary care, patient-physician nutrition interaction, 6
Primary prevention
coronary atherosclerosis and, 224S
patient-physician nutrition interaction, 6
Primary school children, with endemic goiter, 75
Probiotic bacteria, effects of, 405
Probiotics, 1674S (Discussion)
functional foods? 1682S
Product labeling, FDA and, 1734S
Programming, fetal nutrition and adult disease, 1344S
Prolactin, tryptophan and, 1536
Prospective studies, type 2 diabetes, 921
Prostaglandin, polyunsaturated fatty acids and, 343S
Prostaglandin E_2, 361S
Prostate cancer, low plasma cholesterol and, 569
Protein
food-frequency questionnaire assessment of, 746
metabolism in pregnancy, 1249S
pregnancy and, 1218S
Protein accretion, nutritional supplementation and, 1129
Protein kinase C, 361S
Protein turnover, nutritional supplementation and, 1129
Protein-energy malnutrition, nutritional supplementation and, 1129
Protocatechuic acid, wine and, 67
Psychological measures, of healthy postmenopausal women, 739
Psychosocial risk factors, pregnancy weight gain, 1364S
Psyllium
cholesterol-lowering effects of, 472
treatment of hypercholesterolemia, 1433
PUFAs. *See* Polyunsaturated fatty acids
Pyridinium cross-links, dietary influences on, 142
PYY. *See* Peptide YY

Questionnaires, estimates of recommended daily servings, 1503

Race, body composition, 1392
Rats
cholesterol in embryonic development, 1270S
diabetic, 386S
effects of the endotoxin bacterial lipopolysaccharide, 835
fatty acid restriction during gestation, 312S
leptin concentrations, 438
Raynaud phenomenon, essential fatty acids and, 352S
RBP *See* Retinol binding protein
RDA. *See* Recommended dietary allowance
Reactive oxygen metabolites, Crohn disease and, 807
Reactive oxygen species, 458
antioxidants and, 1194
Recommended dietary allowance, for dietary folate, 1304S
Recommended dietary fat allowance, food chain in Japan, 189S
Red blood cells, fatty acids and, 21
Red wine, plasma catechin and, 103
Regional fat distribution, insulin resistance and, 885
Renal disease, fish oil and, 373S
Research, n−3 fatty acids and, 397S
Respiratory muscle, in COPD and CHF, 1033
Respiratory quotient, starvation and, 1511
Resting energy expenditure
of female chronic dieters, 1413
starvation and, 1511
Restriction endonuclease, apolipoprotein B gene polymorphisms and serum lipids, 713
Restriction-fragment-length polymorphism, serum lipids and, 713
Restriction-site polymorphism, serum lipids and, 713
Retention testing, computer-based instruction, 873
Retina
essential fatty acid requirements, 238S
infant vision and retinal function, 256S
Retinoids, deficiency to toxicity, 878
Retinol
homeostasis and pregnancy, 537
in Mexican preschoolers, 1485
Retinol binding protein
Apo-RBP, vitamin A and, 537
Holo-RBP, vitamin A and, 537
iron supplementation and, 789
serum retinol and, 1582
vitamin A homeostasis and pregnancy, 537
Retinyl esters, β-carotene and, 1170
Review
body composition, 1392
carbohydrate-induced hypertriacylglycerolemia, 412
effects of probiotic bacteria, 405
immunologic effects of yogurt, 861
inflammatory bowel disease, 339S
skeletal muscle dysfunction in COPD and CHF, 1033

zinc during pregnancy, 1334S
Rheumatoid arthritis
essential fatty acids and, 352S
n−3 fatty acid supplements and, 349S
n−3 fatty acids and, 357S
Riboflavin, protein-energy malnutrition and, 978
Risk factors
in type 2 diabetes, 1115
primary cardiac arrest and, 208S
Risk, myocardial infarction 1181
Robert H Herman Memorial Award in Clinical Nutrition, vitamin A and, 878
Rotavirus, effects of, 405

Salmonella, immunologic effects of yogurt and, 861
San Francisco Bay area, a study in male smokers, 530
Satiety, circulating leptin concentrations and, 438
Saturated fat
absorption of β-carotene, 1170
food-frequency questionnaire assessment of, 746
glycated hemoglobin and, 1115
Saturated fatty acids, glucose-dependent insulinotrophic polypeptide and, 13
Saturation, of retinol binding protein, 537
Sciatic nerve polyols, polyunsaturated fatty acids and, 386S
Scotland, myocardial infarction in men, 1181
Screener, estimates of recommended daily servings, 1503
Season, antioxidants in lymphocytes and, 1194
Secondary prevention
coronary atherosclerosis and, 224S
patient-physician nutrition interaction, 6
Selenium
effect on natural killer cell immune function, 590
effect on viral disease, 1676S
Sensory function, polyunsaturated fatty acid nutrition in primate infants, 268S
Serotonin, tryptophan and, 1536
Serum ferritin, 1563
adaptation to bioavailability, 94
Serum folate, for lowering homocysteine concentrations, 1448
Serum retinol
acute phase proteins and, 1582
indicator of response to vitamin A, 799
Short-term effectiveness, iodized salt, 75
Short-term nutritional supplementation, 1129
Short-term starvation, resting energy expenditure and, 1511
Silica, aluminum absorption in humans, 944
Silicic acid, aluminum absorption in humans, 944
Silicon, aluminum absorption in humans, 944
Single-photon absorptiometry, 544
Sjögren syndrome, essential fatty acids and, 352S
Skeletal development, exercise, 1384 (Perspective)
Skeletal muscle
dysfunction in COPD and CHF, 1033
type 2 diabetes mellitus and, 885
weakness, chronic obstructive pulmonary disease and, 733
Skin neoplasms, diet and, 135
Skin, ultraviolet light-induced erythema, 795
Skinfold thickness, preterm infants and, 816
Sleep energy expenditure, in premenarcheal girls, 829
Sleeping metabolic rate, Prader-Willi syndrome and, 752
Small-for-gestational-age infants
preterm formula and, 816
zinc supplementation and, 114
Smith-Lemli-Opitz syndrome, cholesterol in embryonic development, 1270S
Smoking
ascorbate depletion, 530
colon cancer and, 575
vitamin C and acute myocardial infarction, 1181
zinc and, 1334S
Socioeconomics, pregnancy weight gain, 1364S
Sodium, dietary guideline for, 1013, 1020 (Perspectives)
Sonic hedgehog, cholesterol in embryonic development, 1270S
South Africa, schoolchildren with endemic goiter, 75
South Korea, nutrition transition in, 44
Southern Blue Nile area, endemic goiter and, 59
Soy, 1716S (Discussion)
breast cancer and, 1716S
cancer and, 1708S
plasma lipids and, 1462
Soy milk, calcium in, 1166
Soy protein
hypercholesterolemia and, 1077
iron absorption, 1147
Spain
amino acid losses during hemodialysis, 765
institutionalized elderly people, 987
Spontaneous abortion, folic acid and, 1295S
Stable isotope
conversion of β-carotene to vitamin A, 1545
indicator amino acid oxidation and, 757
estimates of zinc absorption, 523
iron bioavailability, 1597
protein metabolism in pregnancy, 1249S
vitamin A and, 878
Stable isotope tracer, 583
Stable isotopic tracer methods, estimation of zinc absorption, 523
Standard infant formula, growth performance in preterm children and, 822
Stanol esters, cholesterol and, 1095
Starch, fuel selection in response to, 1516
Sterol excretion, cholesterol absorption and, 908
Stomach cancer, low plasma cholesterol and, 569
Streptococcus, immunologic effects of yogurt and, 861
Streptozotocin, treatment in rats, 386S
Stress, serotonin activity and, 1536
Strontium test, calcium bioavailability, 931
Subsistence, hunter-gatherer diets and, 682
Sucrose, fuel selection in response to, 1516
Sucrose metabolism, acute fuel selection and, 1516
Sudan, endemic goiter and, 59
Sudden cardiac death, polyunsaturated fatty acids and, 202S
Sudden death, polyunsaturated fatty acids and, 208S
Sugar, type 2 diabetes, 921
Sulfur amino acid metabolism, 491
Sunburn, carotenoids and vitamin E, 795
Sunflower oil, absorption of β-carotene, 1170
Superoxide, α-tocopherol and, 458
Supplementation
calcium, 1312S
vitamin A, 799, 1325S
Supplements, pregnancy and folic acid supplements, 1295S
Surveillance, estimates of recommended daily servings, 1503
Surveys, energy intake trends in the US, 1478

Switzerland, prospective Basel study, 569
Synbiotic, functional foods? 1682S
Systemic inflammation, in COPD and CHF, 1033
Systolic blood pressure, calcium intake, 1530

T lymphocyte
  active food components and, 1720S
  proliferation, β-carotene and, 950
Taurine, type 2 diabetes and, 54
Tea
  bone mineral density and, 1003
  cancer and, 1703S
  iron absorption, 94
Tea consumption, studies, 1716S
Tea polyphenols
  cancer and health, 1698S
  chronic disease prevention, 1710S
Teratogenesis, vitamin A and, 1325S
Teratology, zinc and, 1334S
Term formula, growth performance in preterm children and, 822
Term infants
  polyunsaturated fatty acid requirements and, 307S
  polyunsaturated fatty acids and, 251S
  vitamin D and, 1317S
Test meal, hyperlipidemia and, 701
tHcy. *See* Total homocysteine
Thigh adipose tissue, insulin resistance and, 885
Thigh muscle, type 2 diabetes mellitus and, 885
Thigh muscle area, computed axial tomography and, 485
Thirst, n−3 fatty acids and ADHD and, 327S
Threonine, requirement of young men, 757
Thyroid hormones
  changes in body weight and, 1421
  protein-energy malnutrition and, 978
Tocopherol
  erythema and, 795
  in Mexican preschoolers, 1485
α-Tocopherol
  bioavailability of, 1187
  inflammatory responses and, 458
  smoking and, 530
γ-Tocopherol, smoking and, 530
Togo, protein-energy malnutrition and, 978
Total body chlorine, cystic fibrosis and, 36
Total body potassium, cystic fibrosis and, 36
Total body water, cystic fibrosis and, 36
Total cholesterol
  psyllium and, 1433
  soy protein and, 1077
Total energy expenditure
  in premenarcheal girls, 829
  of healthy postmenopausal women, 739
Total homocysteine, pregnancy complications and, 962
Total parenteral nutrition
  in neonatal piglets, 1603
  nutrition, in rats, 835
  serum parathyroid hormone and, 560
TPN. *See* Total parenteral nutrition
Trace elements, effect on natural killer cell immune function, 590
Tracer, conversion of β-carotene to vitamin A, 1545
Training, exercise in COPD and CHF, 1033
Transthyretin
  in pregnant women at term, 537
  iron supplementation and, 789
  serum retinol and, 1582
Treatment, renal disease and, 373S
Triacylglycerol
  effects of energy intake, 1439
  effects of exercise and energy deficit on, 465
  fatty acid concentrations and, 1108
  long-chain n−3 polyunsaturated fatty acids and, 232S
  soy isoflavones and, 1462
  uptake of individual fatty acids, 1470
Triacylglycerol-rich lipoproteins, β-carotene and, 1170
Triacylglycerols, carbohydrates and, 412
Triglycerides, effects of energy intake, 1439
Triparanol, 1270S
Tryptophan
  brain function and, 1669S
  serotonin activity and, 1536
Tumor necrosis factor, effects of the endotoxin bacterial lipopolysaccharide in rats, 835
Tumor necrosis factor α, apoptosis and, 81
Type 1 diabetes, worldwide incidence of 1525
Type 2 diabetes, 921
  fetal nutrition and, 1344S
  glycated hemoglobin and, 1115
  obesity and, 443
  taurine and, 54
Type 2 diabetes mellitus
  adipose tissue distribution and, 885
  fatty acids in, 1108
Tyrosine, brain function and, 1669S

Ulcerative colitis, polyunsaturated fatty acids and, 339S
Ultraviolet light, carotenoids and vitamin E, 795
Umbilical cord serum, fatty acid composition of, 300S
Undereating, food intake in obese men, 130
Underrecording, food intake in obese men, 130
Underreporting, food intake in obese men, 130
Unfiltered coffee, plasma homocysteine concentrations and, 480
United Kingdom, tea and bone mineral density, 1003
United States, energy intake trends, 1478
Urban poor, zinc supplementation and pregnancy outcome in, 114
Urea, protein metabolism in pregnancy, 1249S
Uric acid, wine and, 67
Urinary iodine excretion, goiters and, 75
US Food Supply Series, energy intake trends, 1478

Validation study, estimates of recommended daily servings, 1503
Vascular disease, n−3 fatty acids and, 224S
Vascular endothelium, apoptosis and, 81
Vascular-developmental disorders, lipid nutrition of preterm infants and, 275S
Vegetables, influence on bone mass and bone metabolism, 142
Ventricular fibrillation, polyunsaturated fatty acids and, 202S
VEP. *See* Visual evoked potential
Very low birth weight, preterm formula and, 816
Very-long-chain fatty acids, therapeutic effects of, 376S
Very-low-density lipoproteins, absorption of β-carotene, 1170
Very-low-fat, LDL particle size, 1611
Very-low-fat diet, plasma lipids and, 706
Viral disease, oxidative stress and, 1676S
Virtual seminars, medical nutrition education, 1403
Visceral fat, type 2 diabetes and, 54
Vision, docosahexaenoic acid and, 323S
Visual acuity, polyunsaturated fatty acids and, 256S

Visual development, polyunsaturated fatty acids and, 256S
Visual evoked potential, ratios of linoleic to α-linolenic acid and, 120
Visual function
  essential fatty acid requirements, 238S
  fat requirements of preterm infants, 245S
Vitamin A
  β-carotene and, 1545
  deficiency to toxicity, 878
  endemic goiter and millet, 59
  in pregnancy, 1325S
  indicators of response and, 799
  Indonesian preschool children and, 507
  maternal, 1570
Vitamin A deficiency, 878
  iron and zinc supplementation and, 789
Vitamin A toxicity, 878
Vitamin B-6, cognitive function and, 614S
Vitamin B-12
  cognitive function and, 614S
  in Mexican preschoolers, 1485
  plasma concentrations of, 514
Vitamin C
  acute myocardial infarction and, 1181
  glutathione and hemoglobin and, 1115
  influence on bone mass and bone metabolism, 142
  myocardial infarction and, 1027 (Editorial)
  nonheme iron and, 937
  smoking and, 774
Vitamin D intake, calcium and, 1530
Vitamin E
  Alzheimer disease and, 630S
  bioavailability of, 1187
  cardiovascular diseases and immune status, 1665S
  in lymphocytes, 1194
  in pregnant women at term, 537
  smoking and, 774
Vitamin K
  hip fracture and, 1201
  osteoporosis and, 1031 (Editorial)
Vitamin metabolism, 878
Vitamin supplements, Framingham Offspring Study, 514
Vitamins
  diet and basal cell carcinoma, 135
  effect on natural killer cell immune function, 590
  low plasma cholesterol with cancer mortality, 569
  pregnancy and, 1295S
VLDL
  carbohydrates and, 412
  fish oil and, 28
  in hypertriacylglycerolemia, 914
  obesity and, 443
VLDLs. *See* Very-low-density lipoproteins

Waist-to-hip ratio, obesity and pregnancy, 1242S
Weighed diet record, of healthy postmenopausal women, 739
Weight change, effects of, 1421
Weight gain, pregnancy and, 1233S
Weight loss
  Alzheimer disease and, 637S, 650S
  changes in plasma lipids and, 706
  in lung cancer patients, 583
  in women, 1138
  type 2 diabetes mellitus and, 885
Weight reduction, effects of energy intake, 1439
Weight, in lean and obese children, 1405
White women
  energy expenditure and aerobic fitness, 500
  weight loss and, 1138
Whites
  body composition, 1392
  ethnicity in cardiovascular disease and type 2 diabetes, 725
  pregnancy complications and total homocysteine, 962
Wild foods, hunter-gatherer diets and, 682
Wine, plasma phenolic acid concentrations and, 67
Winter, postmenopausal Japanese women, 1161
Women
  anorexia nervosa in, 1495
  bone mass and bone metabolism, 142
  breast cancer and genistein, 1705S
  calcium and bone mineral status, 1312S
  chronic dieters, 1413
  colon cancer and, 575
  conversion of β-carotene to vitamin A in, 1545
  diet and type 2 diabetes in, 921
  estimation of zinc absorption, 523
  gestational diabetes mellitus, 1256S
  in developing countries, 1353S
  maternal hemoglobin, 1285S
  maternal plasma zinc concentrations, 109
  postpartum maternal vitamin A supplementation, 799
  postprandial lipemia and, 465
  pregnancy and, 1226S
  risk of coronary heart disease, 1455
  serum folate and Alzheimer disease, 993
  soy isoflavones improve plasma lipids in, 1462
  tea and bone mineral density, 1003
  treatment of hypercholesterolemia, 1433
  vitamin A in pregnancy, 1325S
Women of reproductive age, folate recommendations, 1308S
World Wide Web, virtual seminars, 1403

Yogurt, immunologic effects of, 861
Young adults, cysteine kinetics and oxidation in, 491
Young men
  energy restriction and, 901
  mineral water and dietary calcium, 999

Zambia, severe linear growth retardation in children, 550
Zeaxanthin
  colon cancer and, 575
  serum and tissue concentrations of, 1555
Zellweger syndrome, docosahexaenoic acid ethyl ester and, 376S
Zinc
  absorption in humans, 523
  during pregnancy, 1334S
  effect on natural killer cell immune function, 590
  pregnancy outcome and, 109
  protection against apoptosis, 81
  zinc-status and, 781
Zinc absorption
  comparison of estimation methods, 523
  during pregnancy, 1334S
Zinc deficiency
  apoptosis of endothelial cells, 81
  vitamin A status and, 789
Zinc supplementation
  pregnancy and, 956
  pregnancy outcome and, 114
  protection against apoptosis, 81

Author Index
Volume 71

Abrams B, 1233S
Abu-Amsha Caccetta R, 67, 1103
Accarie C, 999
Adams AK, 969
Adhikari RK, 1570
Adou P, 88
Agus MSD, 901
Ahmad N, 1698S
Ainslie DA, 438
Al MDM, 285S
Albarède J-L, 637S, 643S
Alberti MM, 1516
Alexandre MC, 537
Allen LH, 789, 1280S, 1485, 1563
Alles MS, 1536
Allgood LD, 472, 1433
Almario RU, 1439
Althouse L, 873
Altman SL, 1233S
Altringer LA, 472
Ambrosch A, 914
Ament ME, 560
Ames BN, 530
Amouzou K'S, 978
Anderson GJ, 21
Anderson JJB, 1384
Anderson JW, 472, 844, 1433
Anderson RE, 292S
Andersson H, 908
Andrieu S, 637S, 643S
Arab L, 1691S
Arani RB, 829
Arifeen SE, 114
Arnaud MJ, 999
Aronne LJ, 847
Aru G, 1525
Asakura L, 701
Assimadi K, 978
Auestad N, 312S
Augustin JL, 746
Aviram M, 1062
Axelsen M, 1108
Azaïs-Braesco V, 537, 1325S

Bagley LC, 614S
Bailey LB, 1304S
Ball RO, 757
Baqui AH, 114
Barclay D, 1597
Barker DJP, 1344S
Barnes SC, 1470
Bastagli L, 590
Bathalon GP, 739
Bauer H, 81
Bauer H-C, 81
Beard JL, 1288S
Beck MA, 1676S
Beilin LJ, 67, 1085, 1103
Belch JJF, 352S
Belizán JM, 1375S
Bell EF, 969
Bell JRC, 103
Belluzzi A, 339S
Benamouzig R, 1129
Benson J, 575
Berkowitz RI, 155
Bernasconi F, 569
Bertran JM, 376S
Best JD, 1085
Betts NM, 774
Beysen C, 1470
Bierman J, 1166
Bines JE, 36
Bioletto S, 443
Birch LL, 1054
Bishop NJ, 1317S
Bistrian BR, 1008, 1620, 1716S
Blackburn GL, 845
Bliznakov EG, 152
Blom HJ, 480
Blonde L, 1433
Blundell JE, 3
Bock P, 931
Boegner C, 1242S
Boeing H, 1115
Boers GH, 480
Bolton-Smith C, 142
Bønaa KH, 1530
Booth SL, 1201
Borel P, 537
Borovnicar DJ, 36
Bos C, 1129
Boschi S, 339S
Bourdoux P, 59
Bournazeau JA, 537
Boutelle KN, 1478
Bouthillier L, 807
Bovbjerg VE, 208S
Bovell-Benjamin AC, 1563
Bray GA, 450
Brignola C, 339S
Bringer J, 1242S
Broekhuizen R, 480
Brown WV, 1433
Bruhat A, 1129
Brunet S, 807
Burgess JR, 327S
Burke V, 1085, 1103
Burnard SL, 386S
Burr ML, 397S
Burri BJ, 1545
Burrin DG, 1603
Butte NF, 893, 1256S
Byers T, 156

Caddell JL, 851
Campbell MK, 142
Campbell TC, 849
Cantin AM, 1194
Capo-chichi CD, 978
Cariani G, 339S
Carlson J, 21
Carlson SE, 1, 268S
Carr TP, 1103
Carruthers KF, 1181
Castaneda C, 1555
Castelló F, 376S
Casterline JE, 1485
Caulfield LE, 956
Ceesay M, 544
Censi L, 1495
Chahin J, 765
Chaïb S, 537
Chang HH, 530
Chang X, 1603
Chatenoud L, 599
Chen H, 1201
Chen M-F, 28
Chevy F, 1270S
Chisholm A, 1448
Cho Y, 361S
Christen S, 530
Christen Y, 621S
Christian P, 1570
Ciarapica D, 1495
Citadelle D, 1270S
Cleland LG, 343S
Clifford AJ, 1545
Clifton PM, 706
Cobb LA, 208S
Cocco P, 1525
Colditz GA, 135
Cole TJ, 544

Coleman R, 1062
Connor SL, 21
Connor WE, 21, 171S
Cook JD, 937
Copass MK, 208S
Cordain L, 682
Cormier V, 1270S
Craig L, 1653S
Crawford MA, 275S
Croft KD, 67, 1103
Cross CE, 604
Cucca F, 1525
Cucinotta D, 590
Cupples LA, 1201
Curfs LM, 752
Curtin K, 575
Cuskelly GJ, 1308S
Cuzzolaro M, 1495

Dagnelie PC, 583
Dallal GE, 514, 746
Daly ME, 1516
Daniel H, 1589
Darnell BE, 500, 1138
Dastugue B, 537
Davidson MH, 844, 1433
Davidsson L, 1597
Davis CD, 781
Dawson-Hughes B, 1201
Day JP, 944
De Caterina R, 213S
de Francisco A, 799
de Glisezinski I, 637S
de Graaf J, 458
de Haan EEHF, 1536
de Jong R, 480
de Jonge L, 450
de Roos NM, 405
de Ruijter E, 480
Delabroise A-M, 999
Delvin EE, 1317S
Demacker PN, 458
Denkins YM, 300S
DePaola DP, 1619
Deyhim M, 950
Diament AL, 1405
Dibba B, 544
Dibley MJ, 507
Does JD, 733
Donadio JV Jr, 373S
Donovan JL, 103
Dornfeld L, 1062
Douglas LW, 950
Dowell MS, 1166
Dramaix M, 59
Dreon DM, 1611
Drummer C, 931
du Montcel ST, 999
DuBard M, 109
Dueker SR, 1545
Duncan AM, 1103
Dutta P, 908
Dutta-Roy AK, 315S
Dvorak RV, 650S
Dwyer JT, 746, 1741S
Eaton SB, 682
Eckert EA, 901
Egoavil CA, 969
Eichholzer M, 569
Ellis KJ, 1617
Elnour A, 59
Eltom M, 59
Elton RA, 1181
Emblem BM, 962
Engelen MPKJ, 733
Engfer MB, 1589
Erdman JW Jr, 1077
Eritsland J, 197S
Etherton TD, 179S

Fabbri A, 1495
Fabbrini E, 1495
Facchini A, 590
Fam BC, 438
Farnworth ER, 674
Feillet F, 978
Fekkes D, 1536
Fernandez E, 599
Fernandez S, 987
Fernstrom HA, 1611
Fernstrom JD, 1669S
Ferrière F, 1129
Ferro-Luzzi A, 1495
Field CJ, 1413 1720S
Fielding BA, 1470
Fifield LK, 944
Figueroa-Colon R, 829
Finke B, 1589
Fishell V, 179S
Fisher JO, 1054
Folsom AR, 921
Forti P, 590
Fox KAA, 1181
Franceschi S, 599
Franz M, 1455
Frayn KN, 1470
Friedlander Y, 713
Fuchs GJ, 114
Fuhrman B, 1062
Fülöp T, 1194
Furr HC, 789
Fürst P, 1688S

Gagnon DR, 1201
Gallego E, 765
Galtier-Dereure F, 1242S
Gaoua W, 1270S
García J, 765
Garcia OP, 1485
Garcia T, 956
García-Silva MT, 376S
Garton MJ, 142
Garza C, 602
Gaudichon C, 1129
Geiger W, 434
George DT, 331S
George K, 1516
German JB, 103, 434
Gerver WJ, 752
Ghisolfi A, 643S
Giannini D, 1495
Gibney MJ, 13, 232S
Gibson RA, 120, 251S, 307S, 343S
Gill JMR, 465
Gillette-Guyonnet S, 637S, 643S
Gingras JR, 1413
Ginsberg H, 1433
Giovannucci E, 135
Gittelsohn J, 693
Gjessing HK, 962
Glorieux FH, 1317S
Godfrey KM, 1344S
Golay A, 443
Goldberg GR, 1226S
Goldenberg RL, 109
Goodman WG, 560
Goodpaster BH, 885
Goran MI, 500, 725, 829, 1138
Goris AHC, 130
Gosker HR, 1033
Gossage C, 950
Gould BJ, 13
Gower BA, 725
Grand A, 643S
Grandjean H, 643S
Granger R, 156
Grant WB, 599
Greeley GH Jr, 1603
Greenberg AS, 739
Grolier P, 537
Grubb DA, 142
Grubben MJ, 480
Grundman M, 630S
Guéant J-L, 978
Guillemant J, 999
Guillemant S, 999
Gutzwiller F, 569
Gylling H, 1095

Ha W-K, 861
Habicht J-P, 672
Hadi H, 507
Hak-Lemmers HL, 458
Hallberg L, 1147
Halsted CH, 399, 846
Hambraeus L, 59
Hamill D, 21
Hammond BR, 1555
Hampl JS, 774
Hanley AJG, 693
Hannan MT, 1201
Hannigan JH, 300S
Hannum S, 1077
Harada N, 54
Harber V, 1413
Hardman AE, 465
Hargrove RL, 179S
Harnack LJ, 1478
Harris SB, 693
Hartmann B, 1603
Haslam RHM, 36
Hasler CM, 1077
Hathcock J, 605
Hautvast JLA, 550
Hayek T, 1062
Hays NP, 739
Head RJ, 386S
Heaney RP, 658, 1166

Heber D, 153
Heer M, 931
Hegarty VM, 1003
Heimburger DC, 1048
Heinrich U, 795
Heird WC, 292S
Hellerstein MK, 412
Hengehold DA, 472
Hennekens CH, 1455
Hennig B, 81
Heyward VH, 1390
Hibbeln JR, 331S
Hibi I, 485
Hickey CA, 1364S
Hill A, 352S
Hill JO, 847
Hirahara F, 189S
Hirsch J, 154, 1421
Hodgson JM, 1103
Hoffman DR, 245S
Holmqvist OH, 848
Holst JJ, 1603
Holt SHA, 682
Hordijk-Luijk CH, 583
Hori Y, 1161
Hornstra G, 285S, 1262S
Horowitz M, 1577
Horrobin DF, 367S
Howard WJ, 1433
Høy C-E, 1008
Hsu H-C, 28
Hu F, 1009
Hu FB, 848, 850, 1455
Hu X, 1170
Huang Z, 135
Hughes DA, 357S
Hulthén L, 1147
Humphreys SM, 1470
Hunt JR, 94
Hunter DJ, 135
Hunter GR, 500, 1138
Hurrell RF, 88, 937, 1597
Huth P, 179S

Ilic V, 1470
Innis SM, 238S, 312S
Irgens LM, 962

Jackson KG, 13
Jacob RA, 530
Jacobs DR Jr, 921
Jacques P, 514
Jacquetin B, 537
Jaffe E, 21
James MJ, 343S
James RW, 443
Jandacek RJ, 1170
Järvinen HJ, 1095
Jeckel A, 1115
Jeejeebhoy KN, 835
Jeffery RW, 1478
Jeffrey B, 120
Jenkins DJA, 401
Jensen GL, 158, 292S
Jeppesen PB, 1008
Jerdack GR, 472
Jiang R, 1603
Jobe A, 1403
Johnson EJ, 1555
Johnson WG, 1295S
Johnston KE, 109
Johnston PK, 1212
Jones PJH, 674
Jooste PL, 75
Jorde R, 1530
Jugdaohsingh R, 944
Jungmann H, 795

Kafatos A, 13
Kafwembe EM, 550
Kahle LL, 1503
Kaiser LL, 1012
Kalhan SC, 1249S
Kalix B, 443
Kang JX, 202S
Kaplan M, 1062
Kaplan NM, 1020
Kasim-Karakas SE, 103, 670, 1439
Kastenmayer P, 1597
Katan MB, 405, 480
Katz J, 1570
Kelley DE, 885
Kendall CWC, 401
Kesäniemi YA, 713
Kester AD, 752
Khatry SK, 1570
Khaw K-T, 1003
Kiel DP, 1201
Kim S, 44
King I, 208S
King JC, 523, 1217S, 1218S, 1334S, 1371S
Kipnis V, 1503
Kjolhede CL, 507, 799
Klevay LM, 1213
Knapper JME, 13
Knopp RH, 208S
Kohlmeier M, 873
Kolasa K, 1403
Konz EC, 844
Koppeschaar HF, 1536
Korpela R, 600
Kramer L, 1511
Kramer TR, 950
Kranz A, 1511
Krauss RM, 668, 1611
Krebs-Smith SM, 1503
Kremer JM, 349S
Kris-Etherton PM, 179S
Kroke A, 1115
Kumagai H, 485
Kumanyika S, 1387
Kurzer M S, 1103
Kushi L, 208S
Kushi LH, 921

La Vecchia C, 599
Lafeber HN, 816
Lamartiniere CA, 1705S
Lapillonne A, 1317S
Larson CL, 901
Larson DE, 1138
Lasheras C, 987
Lavine JB, 1210
Lawrence A, 472
Le H-T, 999
Leaf A, 202S
LeClerq SC, 1570
Lee SJ, 142
Lee Y-T, 28
Leenen R, 1187
Lefebvre E, 978
Leibel RL, 1421
Leij-Halfwerk S, 583
Lemaitre R, 208S
Lémery D, 537
Lenaz G, 590
Lenner RA, 1108
Lenton KJ, 1194
Lenz K, 1511
León C, 765
Lepage G, 807
Levine M, 1027
Levy E, 807
Li H, 1405
Lia Å, 908
Liao JK, 213S
Libby P, 213S
Lien EL, 120
Lin Y, 1545
Lindquist CH, 725
Ling PR, 1008
Linnoila M, 331S
Littlefield A, 1516
Liu S, 1009, 1214, 1455
Lombard CJ, 75
Lönnroth P, 1108
López P, 789, 1485
Lottenberg AMP, 701
Lowe NM, 523
Lu ZX, 1123
Lucas A, 154, 602, 822
Lüdin E, 569
Ludwig DS, 901
Luley C, 914
Lykkesfeldt J, 530

Ma J, 774
Ma K-N, 575
Macía ML, 765
Madl C, 1511
Mahé S, 1129
Maioli F, 590
Makrides M, 120, 251S, 307S
Mann JI, 1448
Mann N, 682
Manson J, 1009, 1214
Manson JE, 1455
Manzanares J, 376S
Mares-Perlman JA, 1210
Mariani E, 590
Markesbery WR, 993
Markus CR, 1536
Marriott BM, 1728S
Martier SS, 300S
Martin JC, 142
Martín-del Río R, 765
Martinez H, 1485
Martínez M, 376S

Mascara T, 1123
Matel JS, 523
Mathers J, 1516
Matsui Ji, 835
Maude M, 292S
May HM, 1003
McCargar LJ, 1413
McCarron DA, 1013
McCarthy WJ, 846
McCowen KC, 1008
McCrory MA, 739
McGee M, 158
McLennan PL, 386S
McMurchie EJ, 386S
McNulty H, 1308S
Meer K de, 1617
Meerarani P, 81
Méndez ML, 765
Merz-Demlow BE, 1103
Meydani M, 1665
Meydani SN, 861
Meyer KA, 921
Michaelsen KF, 605
Midthune D, 1503
Miettinen TA, 1095
Miglio F, 339S
Miller CC, 361S
Miller GD, 657
Miller J, 614S
Miller JB, 682
Milne DB, 781
Milner JA, 1653S, 1654S, 1743S
Milton K, 665
Minami A, 54
Misra S, 560
Miyaji K, 485
Molloy AM, 859
Monnens LAH, 550
Monsen ALB, 962
Moon S, 44
Mora C, 765
Mora JO, 1353S
Morel JG, 472
Mori TA, 1085, 1103
Moriarty K, 179S
Morley R, 822
Morris HA, 1577
Mortensen PB, 1008
Moser-Veillon PB, 950
Mougan I, 376S
Moulton LH, 507
Mueller WM, 1439
Muggli R, 169S, 386S
Muir JG, 1123
Mukhtar H, 1698S
Mulliez N, 1270S
Munarini A, 339S
Munger R, 443
Muñoz E, 789, 1485
Muntoni S, 1525
Murphy E, 1421
Musonda RM, 550
Mwanakasale V, 550

Nagengast FM, 480
Nakamura K, 1161
Nakamura MT, 1215
Nakandakare ER, 701
Nakaya TY, 54
Nashimoto M, 1161
Navarro JF, 765
Need AG, 1577
Negri E, 599
Neidlinger TR, 1545
Nelson RA, 969
Nestel PJ, 228S, 1353S
Neumann MA, 120
Neuringer M, 256S
Neves MQTS, 701
New SA, 142
Newcomer BR, 1138
Nguyen T, 450
Nguyen TT, 1405
Nielsen FH, 781
Nissinen M, 1095
Niwa Y, 54
Noakes M, 706
Nordin BEC, 1381, 1577
Normén L, 908
Nourhashèmi F, 637S, 643S
Nunes VS, 701
Nygård O, 403

O'Dea K, 1123
O'Neal DN, 1085
Odamaki M, 485
Ohkawa S, 485
Ohnaka M, 54
Oldham C, 944
Olivier B, 1536
Olson RE, 1031
Ordovas JM, 746, 1201
Orth M, 914
Osendarp ASJM, 114
Osmundsen K, 914
Ousset PJ, 637S, 643S

Padayatty SJ, 1027
Panhuysen GEM, 1536
Parks EJ, 412
Pascal G, 1325S
Passarelli M, 701
Patterson AM, 987
Payette H, 1194
Peck L, 327S
Peerson J, 1439
Pencharz PB, 757
Peuhkuri K, 600
Phipps WR, 1103
Picciano MF, 857
Pickett KE, 1233S
Pinder AC, 357S
Poehlman ET, 1209, 650S
Poehlman G, 1403
Polito A, 1495
Popkin BM, 44
Portale AA, 560
Poskitt EME, 544
Potischman N, 1503
Potter JD, 575
Potter SM, 1077
Pous J, 643S
Powell JJ, 944
Pradhan EK, 1570
Prentice A, 544, 1312S
Prentice AM, 1226S
Presser D, 1062
Proietto J, 438
Psaty BM, 208S
Puddey IB, 67, 1085, 1103

Qin J, 1555
Quintão ECR, 701

Raederstorff D, 386S
Rafferty K, 1166
Rafii M, 757
Raghunathan TE, 208S
Raguso CA, 491
Raina N, 835
Ramadass P, 81
Rantala M, 713
Rantala TT, 713
Rasmussen H, 746
Ratheiser K, 1511
Rautureau J, 1129
Ravaglia G, 590
Redden DT, 1138
Reddy EMB, 937
Reeds PJ, 1603
Reffitt DM, 944
Refsum H, 403, 962
Regan MM, 491
Reid DM, 142
Retzlaff B, 208S
Reznick AA, 604
Rice AL, 799
Rich S, 514
Riddell LJ, 1448
Riemersma RA, 1181
Riley KP, 993
Rimm EB, 135
Ritchie LD, 1371S
Rivero A, 765
Rivière D, 637S
Rizwan Y, 807
Roberfroid MB, 1660S, 1682S
Roberts M, 434
Roberts SB, 154, 739
Robins SP, 142
Rocha JC, 701
Roche HM, 13, 232S
Rood JC, 450
Roodenburg AJC, 1187
Rosado JL, 789, 1485
Rosales FJ, 1582
Rose H-J, 1115
Rosenbaum M, 1421
Rosenberg IH, 514, 614S
Rosenblat M, 1062
Ross AC, 1582
Ross S, 1735S
Roth E, 1511
Roughead ZK, 94
Roux C, 1129, 1270S
Roy H, 450
Russell RM, 878, 1555

Sabaté J, 1212
Sachet P, 1217S
Sadjimin T, 507

Sakamoto S, 54
Saksvig B, 693
Salem N Jr, 300S, 331S
Salle BL, 1317S
Salusky IB, 560
Sampson L, 1455
Sanders TAB, 176S
Sanni A, 978
Sapin V, 537
Saris WH, 752
Sassi S, 590
Sauer PJJ, 816
Sauerwein RW, 550
Sauvant P, 537
Savarino L, 590
Savolainen MJ, 713
Sawatzki G, 1589
Schaefer EJ, 746, 1201
Schaefer MM, 746
Schaeffer D, 575
Schatzkin A, 1503
Scheld K, 931
Schneeweiss B, 1511
Schneider B, 1511
Schoeller DA, 155
Scholl TO, 1295S
Schols AMWJ, 733, 1033
Schrander-Stumpel CT, 752
Schuster MW, 852
Schwartz J, 393S
Sebring NG, 1405
Seidman E, 807
Selhub J, 514, 613S, 614S
Sellers TA, 921
Shankar AH, 1582
Shoaf SE, 331S
Shrestha SR, 1570
Sies H, 795
Siscovick DS, 208S
Slattery ML, 575
Slavin J, 921
Smith CD, 993
Smith JE, 1582
Smith SR, 450
Smith U, 1108
Snodderly DM, 1555
Snowdon DA, 993
Sokol RJ, 300S
Solomons NW, 854, 1387
Sommer A, 1570
Sovik KN, 1405
Specker BL, 661
Speth JD, 682
St-Onge M-P, 674
Stähelin HB, 569
Stahl B, 1589
Stahl W, 795
Stalenhoef AF, 458
Stallings VA, 155
Stampfer MJ, 135, 1455
Starling RD, 1209
Steck S, 1691S
Steer PJ, 1285S
Stehle P, 931
Stevens L, 327S
Stirling DM, 544
Stoll B, 1603
Stoltzfus RJ, 507, 799
Stookey JD, 1209
Stordy BJ, 323S
Strauss BJG, 36
Stritter F, 873
Stroud DB, 36
Stunkard AJ, 155
Subar AF, 1503
Sugano M, 189S
Sulkers EJ, 816
Summers LKM, 1470
Swain JF, 901
Swinkels DW, 480
Szajewska H, 1597

Tamura T, 109
Taskinen M-R, 1108
Taylor DS, 179S
Teixeira SR, 1077
Teuri U, 600
Thaete FL, 885
The NNIPS-2 Study Group, 1570
Therriault H, 1194
Thibault L, 807
Thompson FE, 1503
Thompson RPH, 944
Thorburn AW, 438
Tijburg LBM, 1187
Toborek M, 81
Tolboom JJM, 550
Tolley EA, 1
Tomé D, 1129
Topping JD, 1582
Torresani T, 88
Traber MG, 1029
Treuth MS, 893
Tronnier H, 795
Truswell AS, 6
Tucker KL, 514, 739, 1201
Tuiten A, 1536
Tully CL, 993
Tverdal A, 962

Uauy R, 245S
Ueland PM, 403, 962
Umhau JC, 331S

Vale C, 1516
Valensi P, 1129
van 't Hof MA, 550
van Dam RM, 135
van den Berg JWO, 583
Van der Gugten J, 1536
van der Vusse GJ, 1033
van Goudoever JB, 816
van het Hof KH, 1187
van Houwelingen AC, 285S
van Mil EA, 752
van Raaij JMA, 114
van Rijt L, 480
van Staveren WA, 550
van Tits LJ, 458
Vapaatalo H, 600
Vázquez E, 376S
Veldhuis JD, 560
Vellas B, 613S, 637S, 643S
Vidailhet M, 978
Villar J, 1375S
Vinken AG, 739
Viteri FE, 1563
Volkova N, 1062
Vollset SE, 403, 962
von Schacky C, 224S
Vos E, 1009
Vuksan V, 401
Vuoristo M, 1095

Wagner DR, 1390
Wagner JR, 1194
Wahed MA, 114
Walker KZ, 1123
Walker M, 1516
Wallock LM, 530
Walzem RL, 103
Wang H-J, 560
Wang XD, 1555
Wangen KE, 1103
Ward M, 1308S
Warden CH, 1405
Waterhouse AL, 103
Waterland RA, 602
Wattimena JDL, 583
Watts GF, 1085
Weigel R, 1077
Weight MJ, 75
Weigley ES, 853
Weingand KW, 1433
Weinmann S, 208S
Weinsier RL, 500, 829, 1138, 1211
Weir DG, 859
Weisburger JH, 1710S
Weisgerber UM, 1115
West KP Jr, 507, 1570
Westenberg HGM, 1536
Westerterp KR, 130, 752
Westerterp-Plantenga MS, 130
Westphal S, 914
Weststrate JA, 1187
White WS, 1170
Whitty JE, 300S
Willems JL, 550
Willett WC, 135, 848, 850, 1009, 1455
Williams CM, 13
Williams PT, 1611
Williams S, 1448
Wilson DC, 757
Wilson JHP, 583, 1201
Wilson PWF, 514
Windhauser MM, 450
Wolever TMS, 693
Wolf C, 1270S
Wong R, 103
Wong WW, 893
Woodhouse LR, 523
Woods J, 300S
Wouters EFM, 733, 1033
Wright JW, 13
Wu LSF, 1570

Xu X, 1103

Yamamoto M, 1161
Yanovski JA, 1405

Yeh S-S, 852
Yeum K-J, 1555
Yoneyama T, 485
Young VR, 491
Yu-Poth S, 179S

Zachwieja JJ, 450
Zampelas A, 13
Zauner C, 1511
Zavaleta N, 956
Zeder C, 88
Zeisel SH, 873
Zhang W, 327S
Zhao G, 179S
Zhu N, 21
Ziboh VA, 361S
Zimmermann M, 88
Zinman B, 693
Zittermann A, 931
Zonon N, 978
Zuckerman PA, 500, 1138